

NASA-TM-104,208-  
PT-2

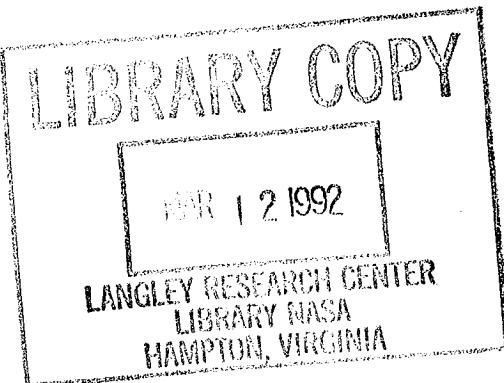
**NASA Technical Memorandum 104208, Part 2**

NASA-TM-104208-PT-2  
19920010429

**LONG DURATION EXPOSURE FACILITY  
POST-FLIGHT THERMAL ANALYSIS**

**William M. Berrios and Thomas R. Sampair**

**JANUARY 1992**



National Aeronautics and  
Space Administration

**Langley Research Center**  
Hampton, Virginia 23665-5225



# **LONG DURATION EXPOSURE FACILITY**

## **POST-FLIGHT THERMAL ANALYSIS**

### **PART 2**

**William M. Berrios**

**NASA/LaRC  
MS 434  
Hampton, Va. 23685-5225  
Ph. (804) 864-7183**

**&**

**Thomas R. Sampair**

**Lockheed Engineering & Sciences Co.  
MS 904  
144 Research Dr.  
Hampton, Va. 23686  
Ph. (804) 788-9633**



## TABLE OF CONTENTS

### PART 1\*

TITLE	PAGE
Summary	1
Introduction	2
LDEF Description	2
Mission History	2
Standard LDEF Identification	3
Thermal Control	3
Thermal Model	4
Thermal Analyzer Computer Programs	4
Thermal Model Description and Assumptions	5
Orbital Environment	6
Beta Angle and Attitude	6
Incident Heat Fluxes	6
Data	7
Flight Temperatures	7
Surface Coatings	8
Contamination	9
Results and Recommendations	9
References	11
Tables	
Table 1. LDEF Pre-Flight Tray/ Experiment Thermal Environment Design Limits	13
Table 2. LDEF Min/Max Row Flux Exposures	13
Table 3. LDEF Updated Thermal Environment for Post Flight Analysis	13
Table 4. LDEF Thermal Model Node Description	14
Table 5. Calculated Thermal Model Uncertainty	23
Table 6. Comparison of LDEF Temperatures Ranges	23
Table 7. Calculated Min/Max Orbital Temperatures	24
Table 8. Calculated Min/Max Daily Average Temperatures	31
Figures	
Fig. 1 LDEF in Free Flight	38
Fig. 2 LDEF Structure	39
Fig. 3 LDEF Peripheral Tray Assembly - 3 Inch Tray	40
Fig. 4 LDEF Peripheral Tray Assembly - 6 Inch Tray	41
Fig. 5 LDEF Peripheral Tray Assembly - 12 Inch Tray	42
Fig. 6 LDEF End "Center" Tray - 6 & 12 Inch Deep	43
Fig. 7 LDEF End "Corner" Tray - 6 & 12 Inch Deep	44
Fig. 8 Passive Heat Flow Around LDEF	45
Fig. 9 Tray - Structure Interface	46
Fig. 10 Comparison of Original Thermal Model to the LDEF Reduced Model	47

\*Published under separate cover

## TABLE OF CONTENTS

### PART 1\* (Continued)

TITLE	PAGE
Fig. 11 Detail of Thermal Model Node Arrangement	48
Fig. 12 Thermal Model Intercostal Configuration	49
Fig. 13 Thermal Model Longeron Configuration	50
Fig. 14 LDEF Thermal Nodal Model	51
Fig. 15 LDEF Thermal Model, External Nodes - Earth End	52
Fig. 16 LDEF Thermal Model, Internal Nodes - Earth End	53
Fig. 17 LDEF Thermal Model, Ring "A" Nodes	54
Fig. 18 LDEF Thermal Model, Ring "B" Nodes	55
Fig. 19 LDEF Thermal Model, Ring "C" Nodes	56
Fig. 20 LDEF Thermal Model, Center Ring Nodes	57
Fig. 21 LDEF Thermal Model, Center Structure Nodes	58
Fig. 22 LDEF Thermal Model, Ring "D" Nodes	59
Fig. 23 LDEF Thermal Model, Ring "E" Nodes	60
Fig. 24 LDEF Thermal Model, Ring "F" Nodes	61
Fig. 25 LDEF Thermal Model, Internal Nodes - Space End	62
Fig. 26 LDEF Thermal Model, External Nodes - Space End	63
Fig. 27 LDEF Periphery External Nodalization	64
Fig. 28 LDEF End Tray/Structure Node Distribution	65
Fig. 29 Beta Angle Definition	66
Fig. 30 LDEF Beta Angle History; April 7, 1984 - January 12, 1990	67
Fig. 31 LDEF Beta Angle History; April 7, 1984 - May 13, 1985	68
Fig. 32 LDEF Beta Angle History; May 9, 1985 - June 14, 1986	69
Fig. 33 LDEF Beta Angle History; May 14, 1986 - May 28, 1987	70
Fig. 34 LDEF Beta Angle History; May 18, 1987 - May 18, 1988	71
Fig. 35 LDEF Beta Angle History; May 15, 1988 - May 15, 1989	72
Fig. 36 LDEF Beta Angle History; December 20, 1988 - January 12, 1990	73
Fig. 37 LDEF Altitude History; April 7, 1984 - January 12, 1990	74
Fig. 38 Location of THERM Hardware on the LDEF	75
Fig. 39 LDEF External Surface Coating Distribution	76
Fig. 40 Variable Anodic Thermal Control Coating Range	77
Fig. 41 THERM Reference 2 Vs LDEF Thermal Model Node 237	78
Fig. 42 THERM Center Ring Vs LDEF Thermal Model Node 217,218	79
Fig. 43 THERM Radiometer Vs LDEF Thermal Model Node 233	80
Fig. 44 THERM Damper Dome Vs LDEF Thermal Model Node 234	81
Fig. 45 THERM Row 6 Structure Vs LDEF Thermal Model Node 326	82
Fig. 46 THERM Earth End Vs LDEF Thermal Model Node 202	83
Fig. 47 THERM Space End Vs LDEF Thermal Model Node 209	84

Appendix A. ORBITAL INCIDENT HEAT FLUX

Appendix B. DAILY AVERAGE INCIDENT HEAT FLUX

---

\*Published under separate cover

## **TABLE OF CONTENTS**

### **PART 1\* (Continued)**

Appendix C. BEGINNING OF MISSION TEMPERATURES

Appendix D. END OF MISSION TEMPERATURES

### **PART 2**

Appendix E. ORBITAL TRANSIENT TEMPERATURES

Appendix F. TEMPERATURE DATA (THERM DATA)

---

\*Published under separate cover



## **APPENDIX E**

### **CHARTS** ***ORBITAL TEMPERATURES***

***This page intentionally left blank***

**APPENDIX E**  
**INDEX**  
**ORBITAL TRANSIENTS**

LOC	EXP	EXPERIMENT TITLE / DESCRIPTION	NODE	CHART NUMBER
A1	A0175	Gr/Polyemide & Gr/Epoxy Composites Structure Boundary	1, 91, 271 163, 164, 175, 176	E - 1, 2, 3 E - 187,188,199,200
A2	A0178	Hi-Res Study of Ultra Heavy Cosmic Rays Structure Boundary	2, 92 164, 165, 176, 177	E - 15,16 E - 188,189,200,201
A3	A0187-	Chemistry of Micrometeoroids Structure Boundary	3, 93 165, 166, 177, 178	E - 30,31 E - 189,190,201,202
A4	A0178	Hi-Res Study of Ultra Heavy Cosmic Rays Structure Boundary	4, 94 166, 167, 178, 179	E - 43,44 E - 190,191,202,203
A5	S0001	Space Debris Impact Structure Boundary	5, 95 167, 168, 179, 180	E - 55,56 E - 191,192,203,204
A6	S0001	Space Debris Impact Structure Boundary	6, 96 168, 169, 180, 181	E - 67,68 E - 192,193,204,205
A7	A0175	Gr/Polyemide & Gr/Epoxy Composites Structure Boundary	7, 97, 272 169, 170, 181, 182	E - 80,81,82 E - 193,194,205,206
A8	A0171	Solar Array Materials (Passive) Structure Boundary	8, 98 170, 171, 182, 183	E - 93,94 E - 194,195,206,207
A9	S0069	Thermal Control Surfaces Structure Boundary	9, 99 171, 172, 183, 184	E - 105,106 E - 195,196,207,208
A10	A0178	Hi-Res Study of Ultra Heavy Cosmic Rays Structure Boundary	10, 100 172, 173, 184, 185	E - 117,118 E - 196,197,208,209
A11	A0187-	Chemistry of Micrometeoroids Structure Boundary	11, 101 173, 174, 185, 186	E - 130,131 E - 197,198,209,210
A12	S0001	Space Debris Impact Structure Boundary	12, 102 163,174, 175,186	E - 142,143 E - 187,198,199,210
B1	S0001	Space Debris Impact Structure Boundary	13, 103 163, 164	E - 4,5 E - 187,188
B2	S0001	Space Debris Impact Structure Boundary	14, 104 164, 165	E - 17,18 E - 188,189
B3	A0138	///\FRECOPA//\\\ Structure Boundary	15, 105, 273 165, 166	E - 32,33,34 E - 188,189
B4	A0054	Space Plasma High Voltage Drainage Structure Boundary	16, 106 166, 167	E - 45,46 E - 190,191
B5	A0178	Hi-Res Study of Ultra Heavy Cosmic Rays Structure Boundary	17, 107 167, 168	E - 57,58 E - 191,192
B6	S0001	Space Debris Impact Structure Boundary	18, 108 168, 169	E - 69,70 E - 192,193
B7	A0178	Hi-Res Study of Ultra Heavy Cosmic Rays Structure Boundary	19, 109 169, 170	E - 83,84 E - 193,194
B8	A0056 A0147 S0001	High-Perf IR Multilayer Filters & Material Exposure of ERBE Components Space Debris Impact Structure Boundary	20, 110 170, 171	E - 95,96 E - 194,195
B9	A0134 S0010	Composites for Large Space Structures Spacecraft Coatings Structure Boundary	21, 111 171, 172	E - 107,108 E - 195,196
B10	S1005	Transverse Flat Heat Pipe Structure Boundary	22, 112 172, 173	E - 119,120 E - 196,197
B11	S0001	Space Debris Impact Structure Boundary	23, 113 173, 174	E - 132,133 E - 197,198
B12	A0201	Interplanetary Dust Structure Boundary	24, 114 163, 174	E - 144,145 E - 187,198
C1		---GRAPPLE---	25, 115, 274 163, 164, 221	E - 6,7,8 E - 187,188,251
C2	A0015 A0187- M0006	Free Flyer Biostack Isotopic Micrometeoroid Measurement Space Environment Effects Structure Boundary	26, 116, 276 164, 165, 222	E - 19,20,21 E - 188,189,252

**APPENDIX E**  
**INDEX**  
**ORBITAL TRANSIENTS**

LOC	EXP	EXPERIMENT TITLE / DESCRIPTION	NODE	CHART NUMBER
C3	A0023	Multiple Foil Microabrasion Package	27, 117	E - 35,36
C3	A0034	Atomic Oxygen Stimulated Outgassing		
	A0114	Atomic Oxygen / Solid Surfaces Interaction		
	A0201	Interplanetary Dust Structure Boundary	165, 166, 223	E - 189,190,253
C4	S0001	Space Debris Impact Structure Boundary	28, 118 166, 167, 224	E - 47,48 E - 190,191,254
C5	A0178	Hi-Res Study of Ultra Heavy Cosmic Rays Structure Boundary	29, 119 167, 168, 225	E - 59,60 E - 191,192,255
C6	A0178	Hi-Res Study of Ultra Heavy Cosmic Rays Structure Boundary	30, 120 168, 169, 226	E - 71,72 E - 192,193,256
C7	S0001	Space Debris Impact Structure Boundary	31, 121 169, 170, 227	E - 85,86 E - 193,194,257
C8	A0178	Hi-Res Study of Ultra Heavy Cosmic Rays Structure Boundary	32, 122 170, 171, 228	E - 97,98 E - 194,195,258
C9	A0023	Multiple Foil Microabrasion Package	33, 123	E - 109,110
	A0034	Atomic Oxygen Stimulated Outgassing		
	A0114	Atomic Oxygen / Solid Surfaces Interaction		
	A0201	Interplanetary Dust Structure Boundary	171, 172, 229	E - 195,196,259
C10		---GRAPPLE---	34, 124, 275	E - 121,122,123
		Structure Boundary	172, 173, 230	E - 196,197,260
C11	A0178	Hi-Res Study of Ultra Heavy Cosmic Rays Structure Boundary	35, 125 173, 174, 231	E - 134,135 E - 197,198,261
C12	S0109	Fiber Optic Data Transmission Structure Boundary	36, 126 163, 174, 232	E - 146,147 E - 187,198,262
D1	A0178	Hi-Res Study of Ultra Heavy Cosmic Rays Structure Boundary	37, 127 221, 240, 241	E - 9,10 E - 251,223,224
D2	A0172	Effects of Solar Radiation on Glasses	38, 128, 277, 278	E - 22,23,24,25
	A0189	Quartz Crystal Oscillators		
	S0001	Space Debris Impact Structure Boundary	222, 241, 242	E - 252,224,225
D3	M0002-M0003	Trapped Proton Energy Spectrum Spacecraft Materials Structure Boundary	39, 129 223, 242, 243	E - 37,38 E - 253,225,226
D4	M0003	Spacecraft Materials Structure Boundary	40, 130 224, 243, 244	E - 49,50 E - 254,226,227
D5	A0178	Hi-Res Study of Ultra Heavy Cosmic Rays Structure Boundary	41, 131 225, 244, 245	E - 61,62 E - 255,227,228
D6	A0201	Interplanetary Dust	42, 132, 279	E - 73,74,75
	S0001	Space Debris Impact		
	A0201	Structure Boundary	226, 245, 246	E - 256,228,229
D7	A0178	Hi-Res Study of Ultra Heavy Cosmic Rays Structure Boundary	43, 133 227, 246, 247	E - 87,88 E - 257,229,230
D8	M0003	Spacecraft Materials Structure Boundary	44, 134 228, 247, 248	E - 99,100 E - 258,230,231
D9	M0002-M0003	Trapped Proton Energy Spectrum Spacecraft Materials Structure Boundary	45, 135 229, 248, 249	E - 111,112 E - 259,231,232
D10	A0054	Space Plasma High Voltage Drainage Structure Boundary	46, 136 230, 249, 250	E - 124,125 E - 260,232,233
D11	A0178	Hi-Res Study of Ultra Heavy Cosmic Rays Structure Boundary	47, 137 231, 250, 251	E - 136,137 E - 261,233,234
D12	A0019	High Toughness G/E Composites	48, 138, 280, 281	E - 148,149,150,151
	A0023	Multiple Foil Microabrasion Package		
	A0180	Polymer Matrix Composites Structure Boundary	232, 240, 251	E - 262,223,234

**APPENDIX E**  
**INDEX**  
**ORBITAL TRANSIENTS**

LOC	EXP	EXPERIMENT TITLE / DESCRIPTION	NODE	CHART NUMBER
E1	S0001	Space Debris Impact Structure Boundary	49, 139 240, 241	E - 11,12 E - 223,224
E2	A0178	Hi-Res Study of Ultra Heavy Cosmic Rays Structure Boundary	50, 140 241, 242	E - 26,27 E - 224,225
E3	S1002	Coatings & Solar Cells from Germany Structure Boundary	51, 141 242, 243	E - 39,40 E - 225,226
E4	S0001	Space Debris Impact Structure Boundary	52, 142 243, 244	E - 51,52 E - 226,227
E5	A0044 A0135 S0050	Holographic Data Storage Crystals Pyroelectric Infrared Detectors Active Optical System Components Structure Boundary	53, 143  244, 245	E - 63,64  E - 227,228
E6	A0023 M0002- S1003 S1006	Multiple Foil Microabrasion Package Heavy Cosmic Ray Nuclei Ion-Beam-Textured Surfaces Balloon Materials Structure Boundary	54, 144  245, 246	E - 76,77  E - 228,229
E7	S0001	Space Debris Impact Structure Boundary	55, 145 246, 247	E - 89,90 E - 229,230
E8	A0187-	Isotopic Micrometeoroid Measurement Structure Boundary	56, 146 247, 248	E - 101,102 E - 230,231
E9	S0014	Advanced Photovoltaics Structure Boundary	57, 147 248, 249	E - 113,114 E - 231,232
E10	A0178	Hi-Res Study of Ultra Heavy Cosmic Rays Structure Boundary	58, 148 249, 250	E - 126,127 E - 232,233
E11	S0001	Space Debris Impact Structure Boundary	59, 149 250, 251	E - 138,139 E - 233,234
E12	A0038	Interstellar Gas Experiment Structure Boundary	60, 150 240, 251	E - 152,153 E - 223,234
F1	S0001	Space Debris Impact Structure Boundary	61, 151 187, 188, 240, 241	E - 13,14 E - 211,212,223,224
F2	P0004 P0006	Seeds in Space Linear Energy Transfer Spectrum Structure Boundary	62, 152  188, 189, 241, 242	E - 28,29  E - 212,213,224,225
F3	S0001	Space Debris Impact Structure Boundary	63, 153 189, 190, 242, 243	E - 41,42, E - 213,214,225,226
F4	A0178	Hi-Res Study of Ultra Heavy Cosmic Rays Structure Boundary	64, 154 190, 191, 243, 244	E - 53,54 E - 214,215,226,227
F5	S0001	Space Debris Impact Structure Boundary	65, 155 191, 192, 244, 245	E - 65,66 E - 215,216,227,228
F6	A0038	Interstellar Gas Experiment Structure Boundary	66, 156 192, 193, 245, 246	E - 78,79 E - 216,217,228,229
F7	S0001	Space Debris Impact Structure Boundary	67, 157 193, 194, 246, 247	E - 91,92 E - 217,218,229,230
F8	M0004	Fiber Optics Systems Structure Boundary	68, 158 194, 195, 247, 248	E - 103,158 E - 218,219,230,231
F9	A0076	Cascade Variable Conductance Heat Pipe Structure Boundary	69, 159 195, 196, 248, 249	E - 115,116 E - 219,220,231,232
F10	S0001	Space Debris Impact Structure Boundary	70, 160 196, 197, 249, 250	E - 128,129 E - 220,221,232,233
F11	S0001	Space Debris Impact Structure Boundary	71, 161 197, 198, 250, 251	E - 140,141 E - 221,222,233,234
F12	S1001	Low Temperature Heat Pipe (HEPP) Structure Boundary	72, 162 187, 198, 240, 251	E - 154,155 E - 211,222,223,234
G2	A0015	Free Flyer Biostack Structure Boundary	81, 252 200	E - 173,174 E - 236
G4	S0001	Space Debris Impact	75, 255	E - 175,176

**APPENDIX E**  
**INDEX**  
**ORBITAL TRANSIENTS**

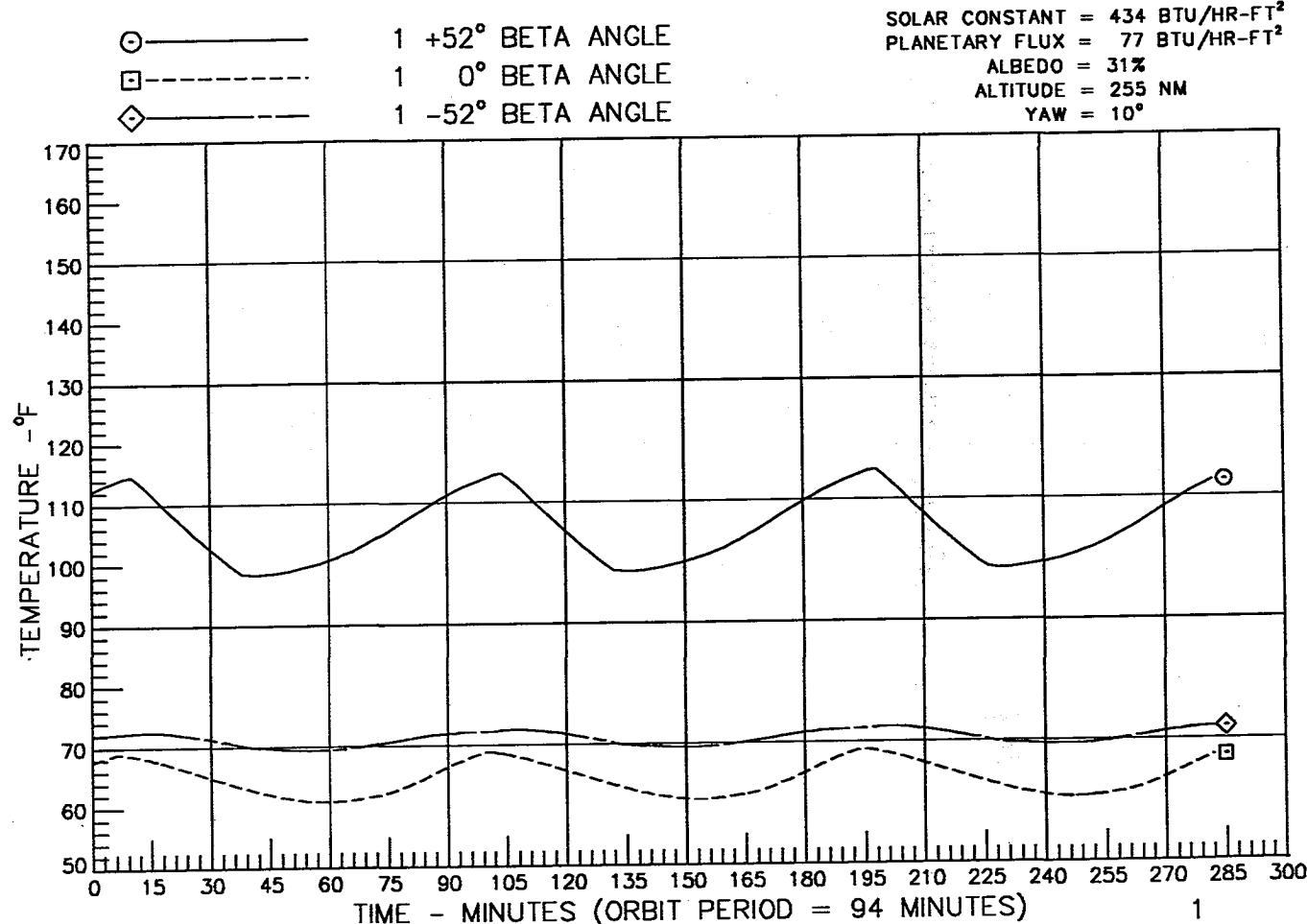
LOC	EXP	EXPERIMENT TITLE / DESCRIPTION	NODE	CHART NUMBER
G4	S0001	Structure Boundary	201	E - 237
G6	A0139a	Growth of Crystals from Solutions Structure Boundary	74, 254 199, 201, 202	E - 177,178 E - 235,237,238
G8	S0001	Space Debris Impact Structure Boundary	73, 253 202	E - 179,180 E - 238
G10	A0201	Interplanetary Dust Structure Boundary	79, 259 203	E - 181,182 E - 239
G12	A0056	High-Perf IR Multilayer Filters & Material	80, 260, 283, 284	E - 183,184,185,186
	A0147	Exposure of ERBE Components		
	A0172 M0002-	Effects of Solar Radiation on Glasses Trapped Proton Energy Spectrum Structure Boundary	199, 200, 203	E - 235,236,239
H1	S1001	Low Temperature Heat Pipe (HEPP) Structure Boundary	90, 261 209	E - 156,157 E - 241
H3	M0001	Heavy Ions in Space Structure Boundary	88, 268 208, 209, 210	E - 158,159 E - 240,241,242
H5	S0001	Space Debris Impact Structure Boundary	85, 265 210	E - 160,161 E - 242
H6	A0038	Interstellar Gas Experiment Structure Boundary	84, 264 208, 210, 211	E - 162,163 E - 240,242,243,
H7	A0133	Radar Phased-Array Antenna Structure Boundary	83, 263, 282 211	E - 164,165,166 E - 243
H9	A0038	Interstellar Gas Experiment Structure Boundary	86, 266 208, 211, 212	E - 167,168 E - 240,243,244
H11	A0023 A0201	Multiple Foil Microabrasion Package Interplanetary Dust Structure Boundary	82, 262 212	E - 169,170 E - 244
H12	M0001	Heavy Ions in Space Structure Boundary	89, 269 208, 209, 212	E - 171,172 E - 240,241,244
CENTER STRUCTURE INTERIOR			217,218,219,220	E - 245,246,247,248
DUMMY RADIATION NODE & CENTER AVERAGE (217-			233,217-220	E - 250,249
CENTER RING ROWS 1 - 3			221,222,223	E - 251,252,253
CENTER RING ROWS 4 - 6			224,225,226	E - 254,255,256
CENTER RING ROWS 7 - 9			227,228,229	E - 257,258,259
CENTER RING ROWS 1- 12			230,231,232	E - 260,261,262,
INITIATE SYSTEM & P0003 ELECTRONICS			237	E - 263
EARTH END THERMAL PANELS			204,205,206,207	E - 264,265,266,267
SPACE END THERMAL PANELS			213,214,215,216	E - 268,269,270,271
EARTH END THERMAL PANEL SIDE ROWS 2 - 4			295,296,297	E - 273,274,275
EARTH END THERMAL PANEL SIDE ROWS 5 - 7			298,299,300	E - 276,277,278
EARTH END THERMAL PANEL SIDE ROWS 8 - 10			301,302,303	E - 279,280,281
EARTH END THERMAL PANEL SIDE ROWS 1,11,12			294,304,305	E - 272,282,283
SPACE END THERMAL PANEL SIDE ROWS 2 - 4			307,308,309	E - 285,286,287
SPACE END THERMAL PANEL SIDE ROWS 5 - 7			310,311,312	E - 288,289,290
SPACE END THERMAL PANEL SIDE ROWS 8 - 10			313,314,315	E - 291,292,293
SPACE END THERMAL PANEL SIDE ROWS 1,11,12			306,316,317	E - 284,294,295
EARTH DUMMY COVER PLATES			256,257,258	E - 296,297,298
SPACE DUMMY COVER PLATES			267	E - 299
MAGNETIC DAMPER & SHROUD			234,235	E - 300,301
AO139-A BATTERY CLUSTER			236	E - 302
MAIN SCUFF PLATES			285,286	E - 303,304
MAIN TRUNNION PINS			238,239	E - 305,306
END SCUFF PLATES			289,292	E - 307,308
END TRUNNION PINS			290,293	E - 309,310
END SUPPORT BEAM			287,288,291	E - 311,312,313

**APPENDIX E**  
**INDEX**  
**ORBITAL TRANSIENTS**

LOC	EXP	EXPERIMENT TITLE / DESCRIPTION	NODE	CHART NUMBER
KELL PIN			270	E - 314
AVERAGE FOR TRAYS 1- 72			1 - 72	E - 315
THERMAL COUPLE NODE AT EARTH END & LONGER			326,327	E - 316,317
INTERIOR STRUTS			318,319	E - 318,319
INTERIOR STRUTS			320,321	E - 320,321
INTERIOR STRUTS			322,323	E - 322,323
INTERIOR STRUTS			324,325	E - 324,325

***This page intentionally left blank***

LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A1 - TRAY



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A1 - SURFACE

○ — 91 +52° BETA ANGLE

□ - - - 91 0° BETA ANGLE

◊ - - - 91 -52° BETA ANGLE

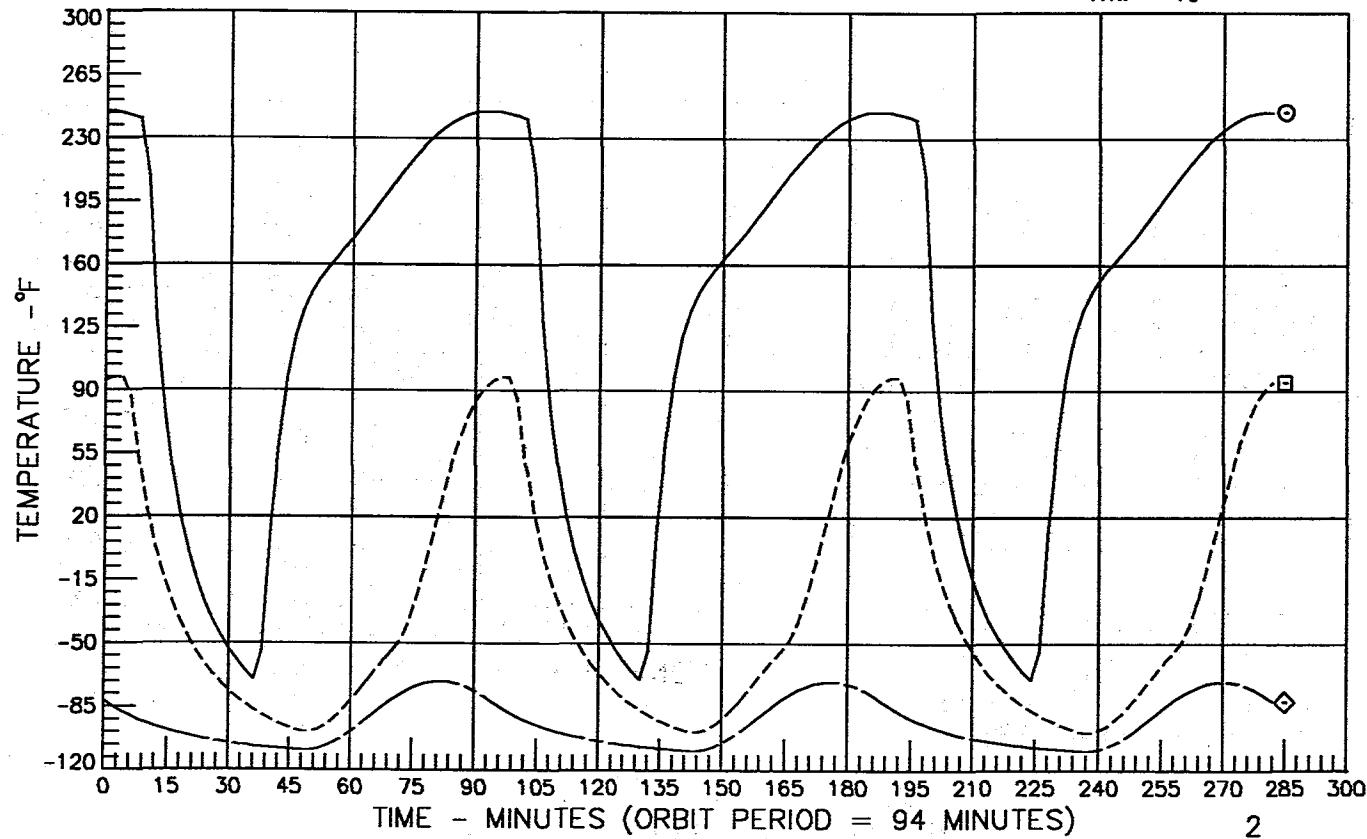
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

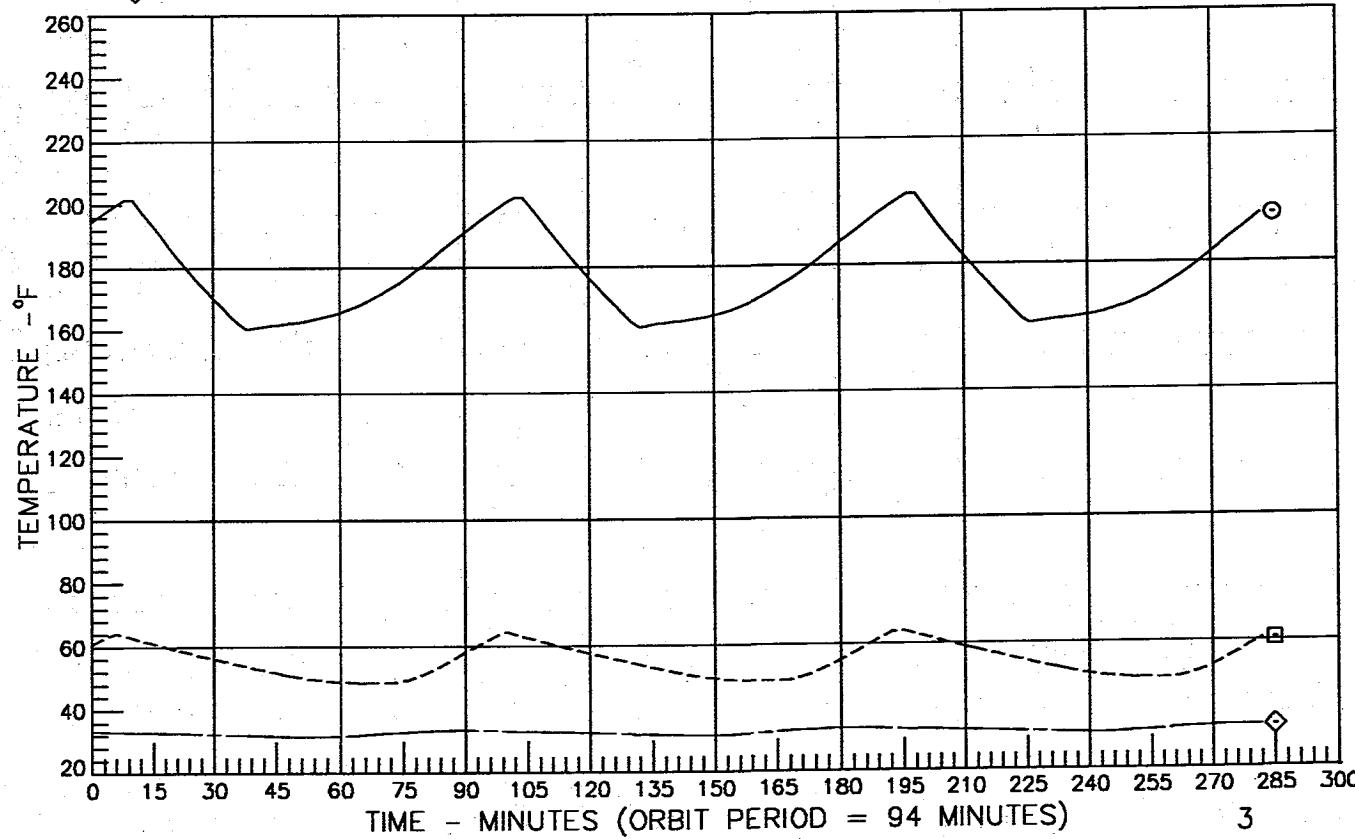
YAW = 10°



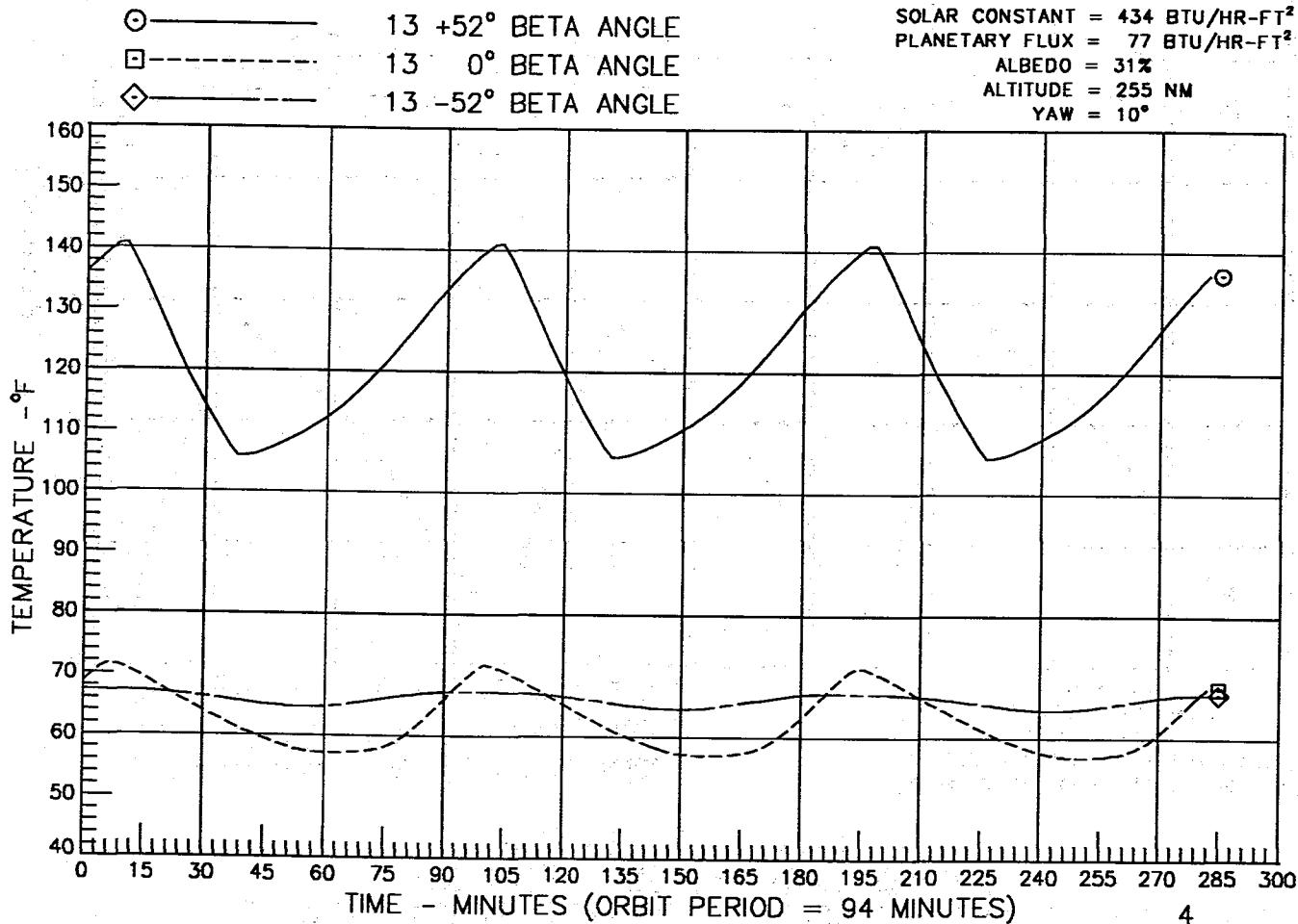
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A1 - SURFACE

○——— 271 +52° BETA ANGLE  
□----- 271 0° BETA ANGLE  
◊----- 271 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



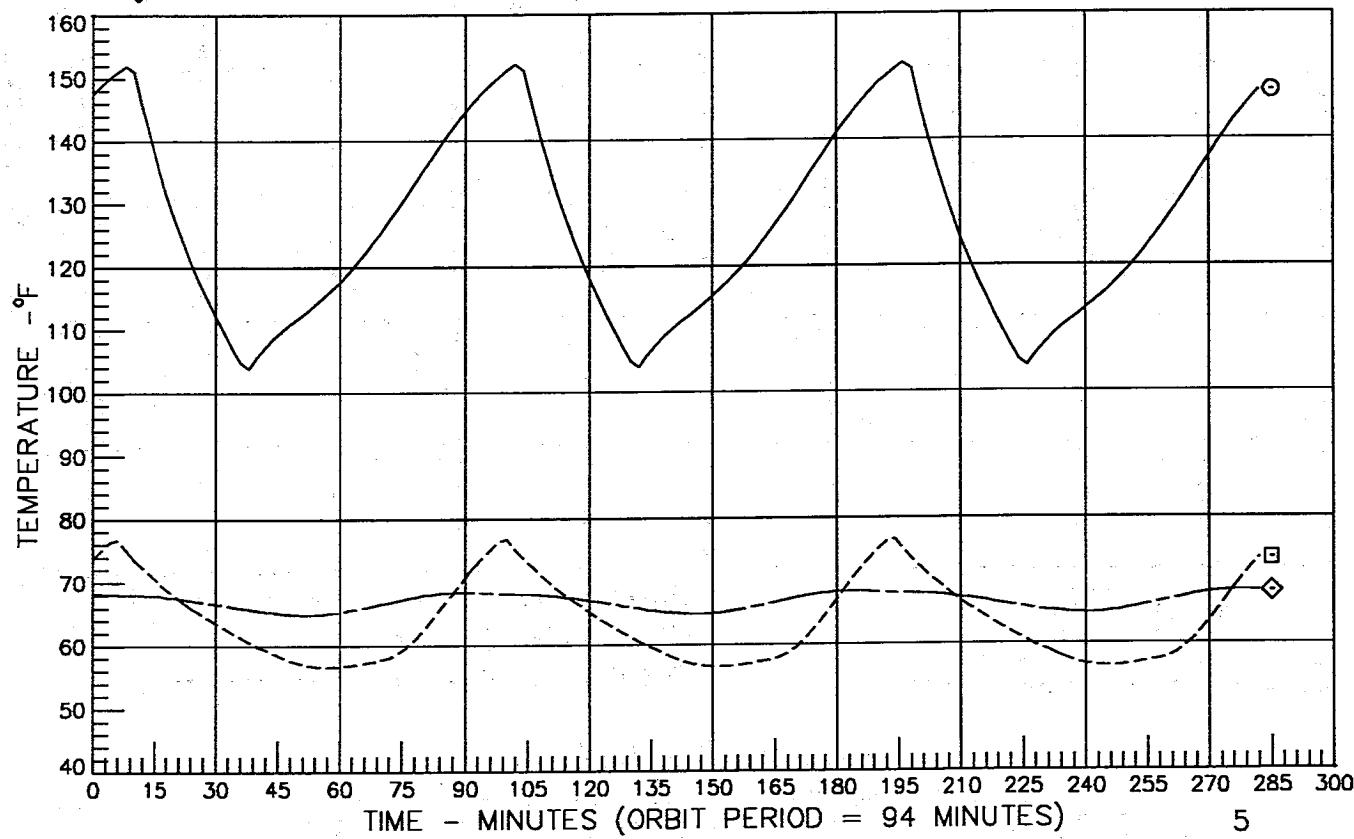
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B1 - TRAY



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B1 - SURFACE

- ————— 103 +52° BETA ANGLE
- ----- 103 0° BETA ANGLE
- ◊ ----- 103 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C1 - TRAY

○——— 25 +52° BETA ANGLE

□----- 25 0° BETA ANGLE

◊----- 25 -52° BETA ANGLE

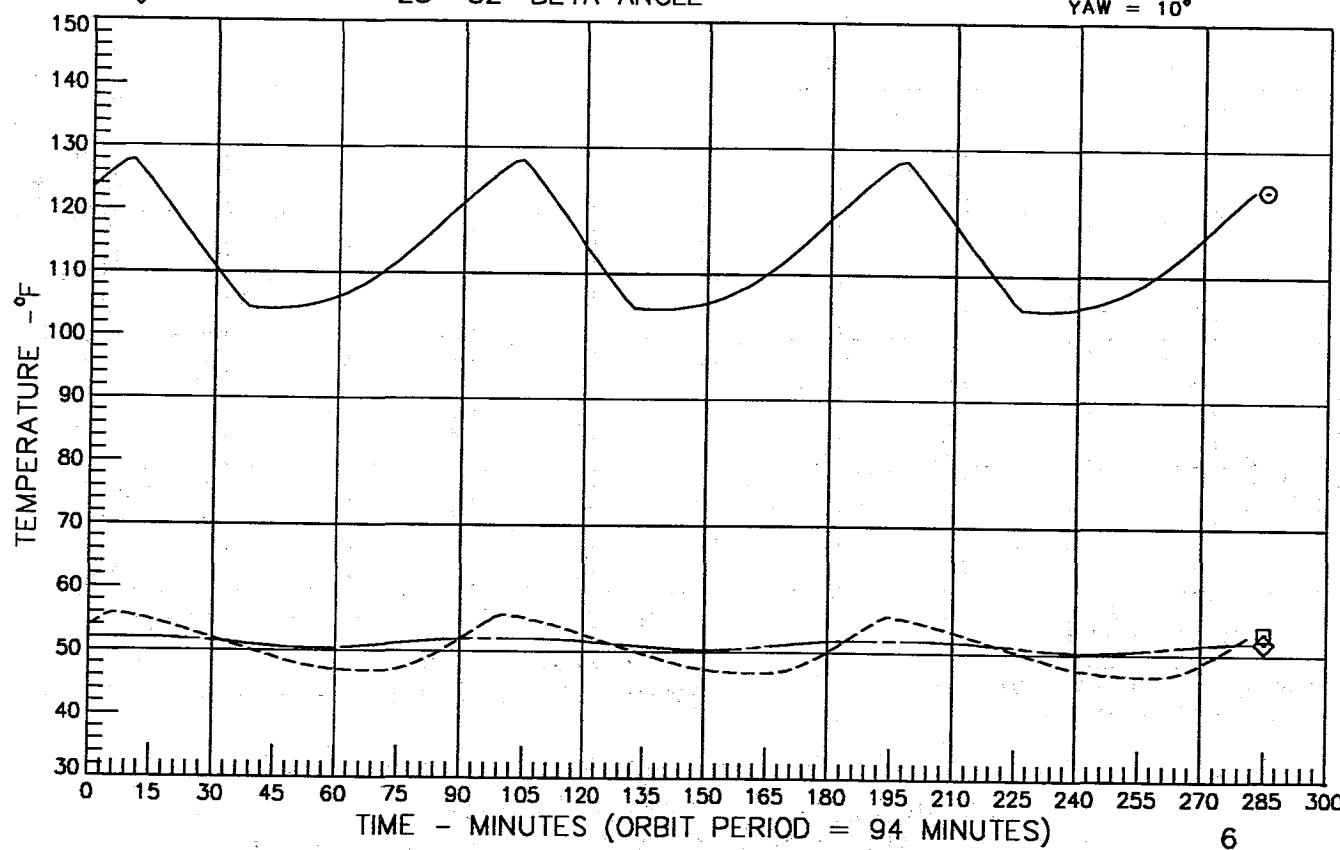
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

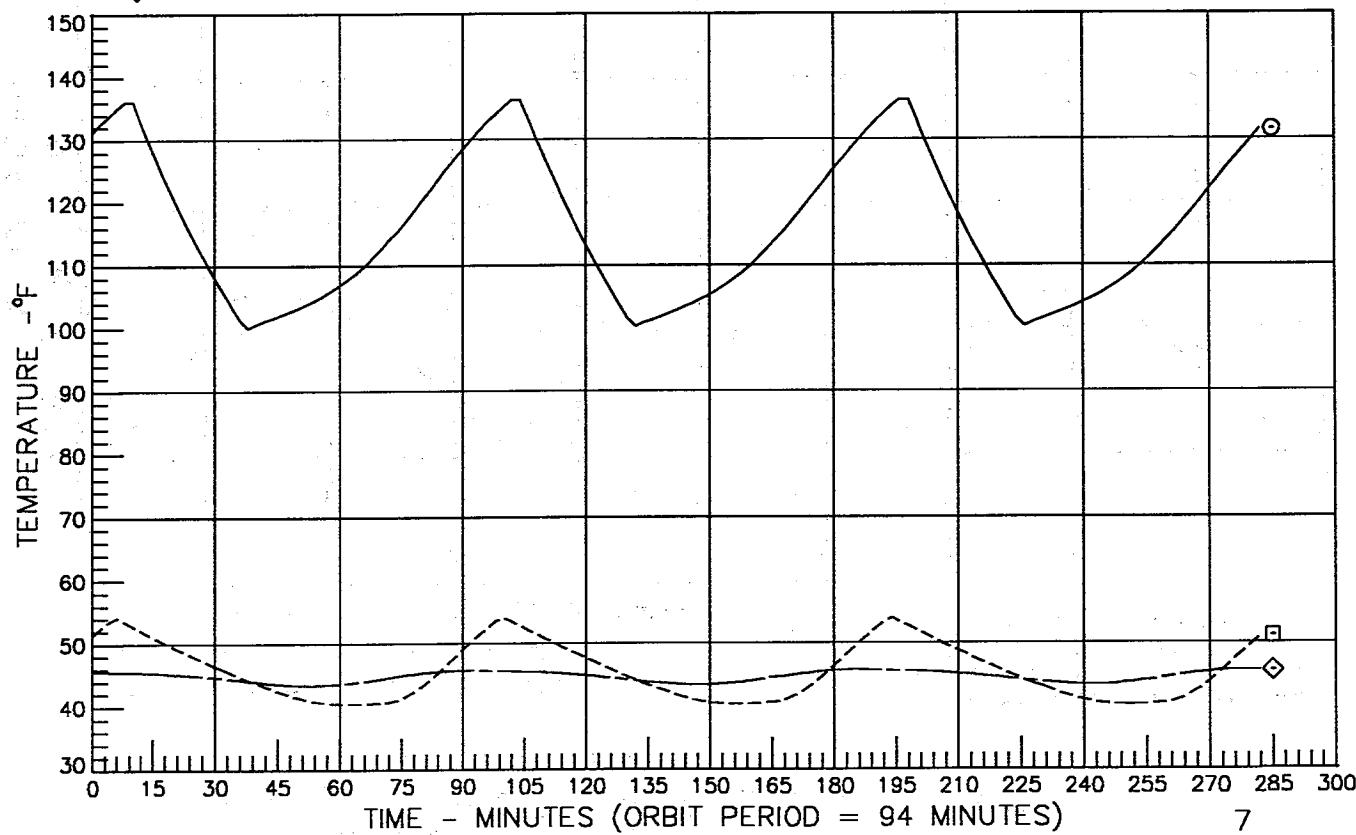
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C1 - SURFACE

○——— 115 +52° BETA ANGLE  
□----- 115 0° BETA ANGLE  
◊----- 115 -52° BETA ANGLE

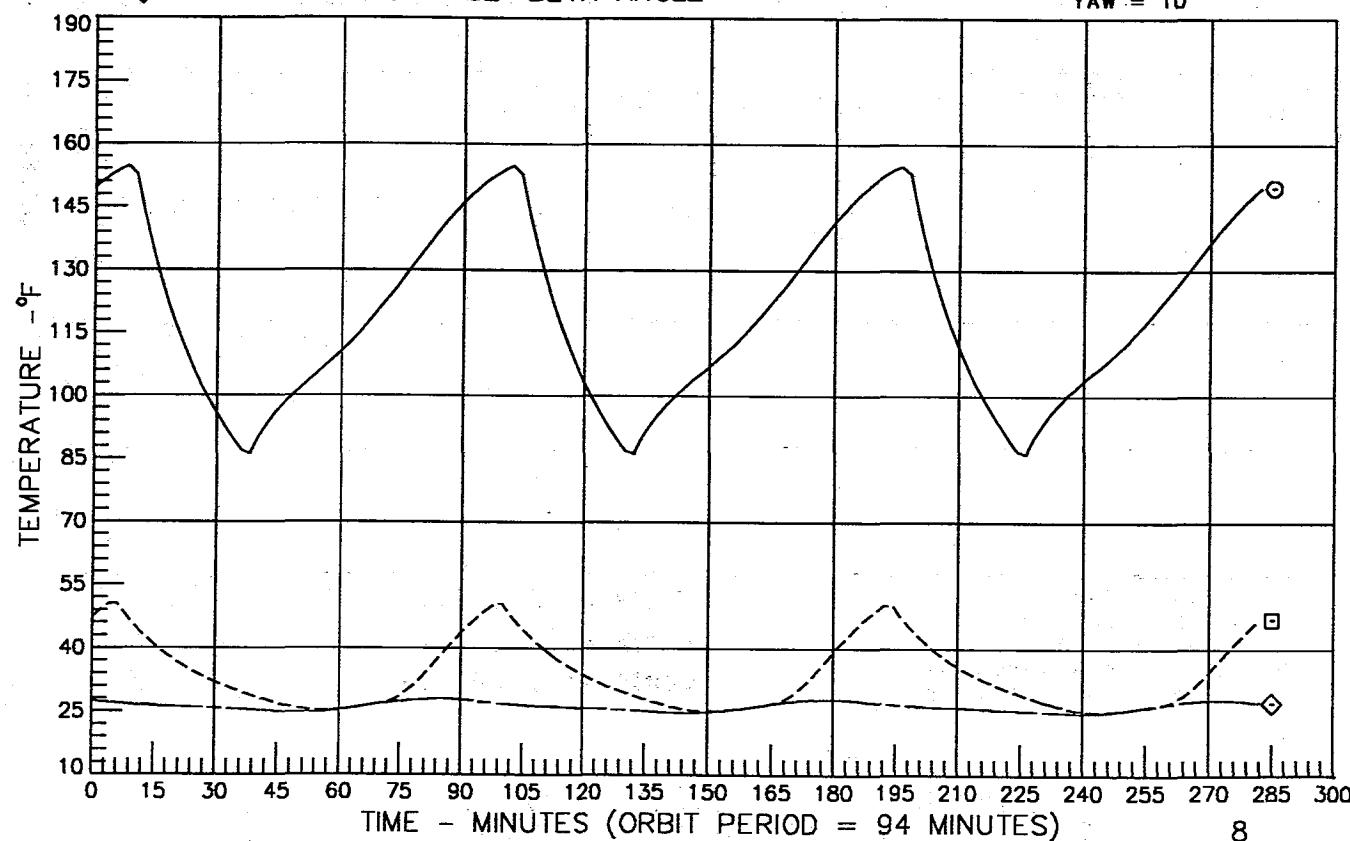
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C1 - SURFACE

○——— 274 +52° BETA ANGLE  
□----- 274 0° BETA ANGLE  
◊----- 274 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D1 - TRAY

○-----

37 +52° BETA ANGLE

□-----

37 0° BETA ANGLE

◊-----

37 -52° BETA ANGLE

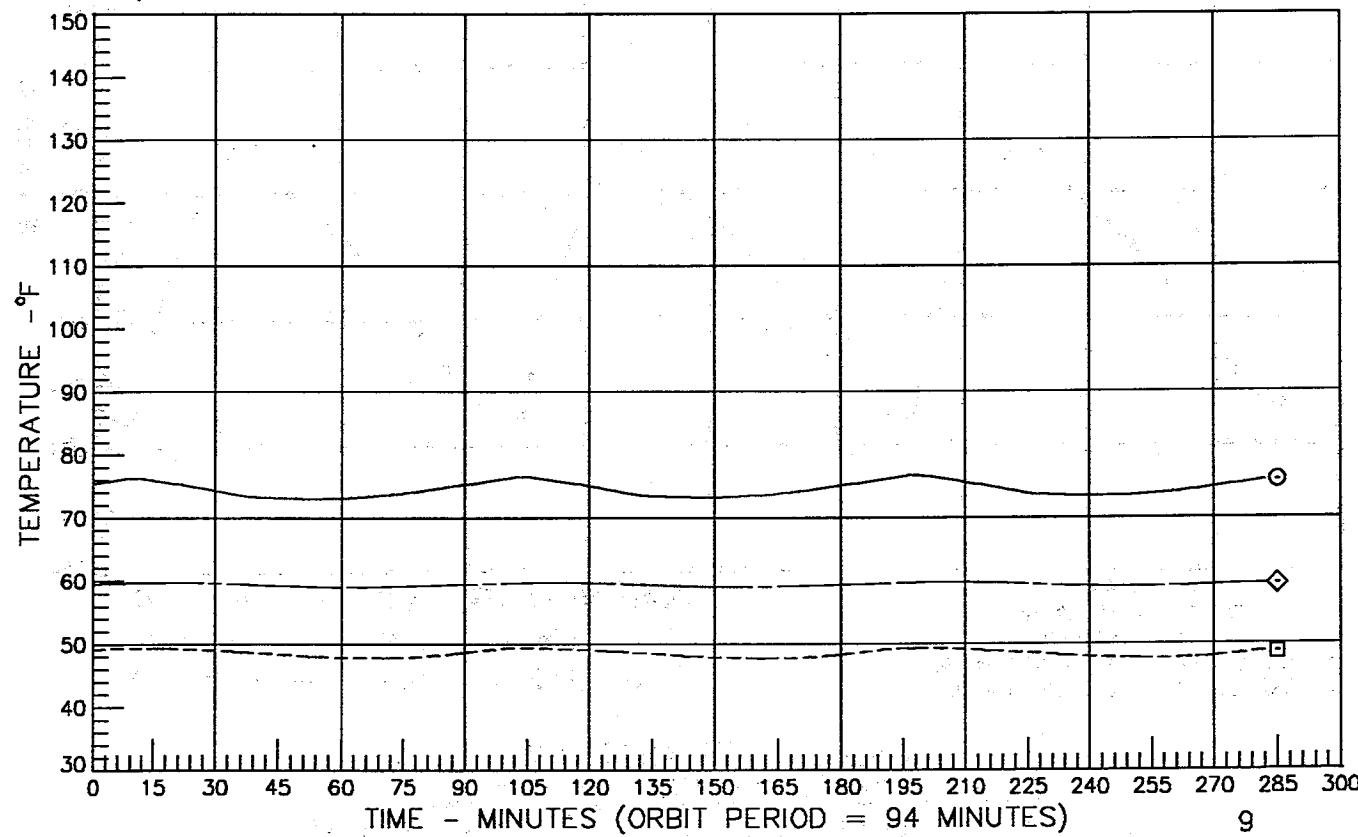
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°

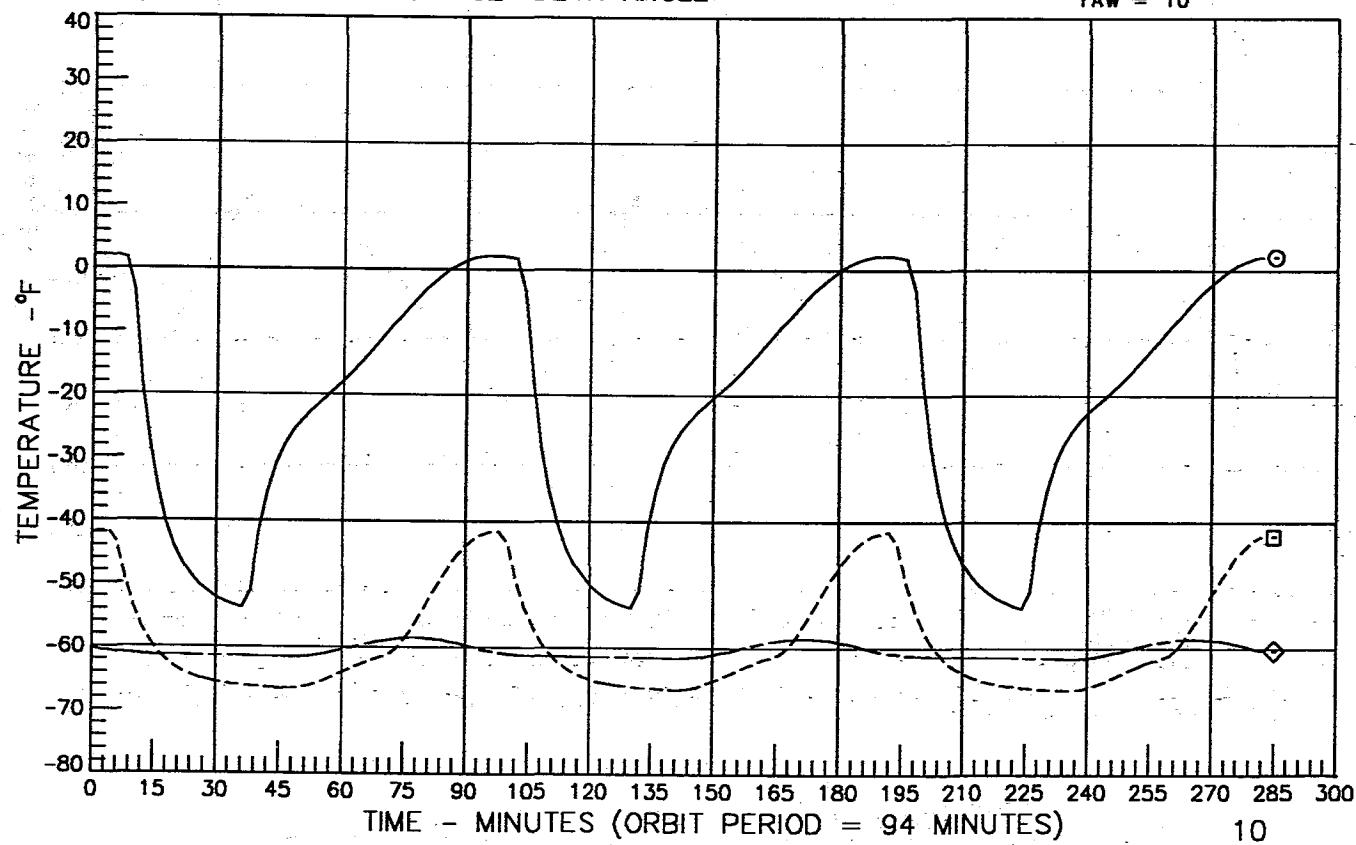


LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D1 - SURFACE

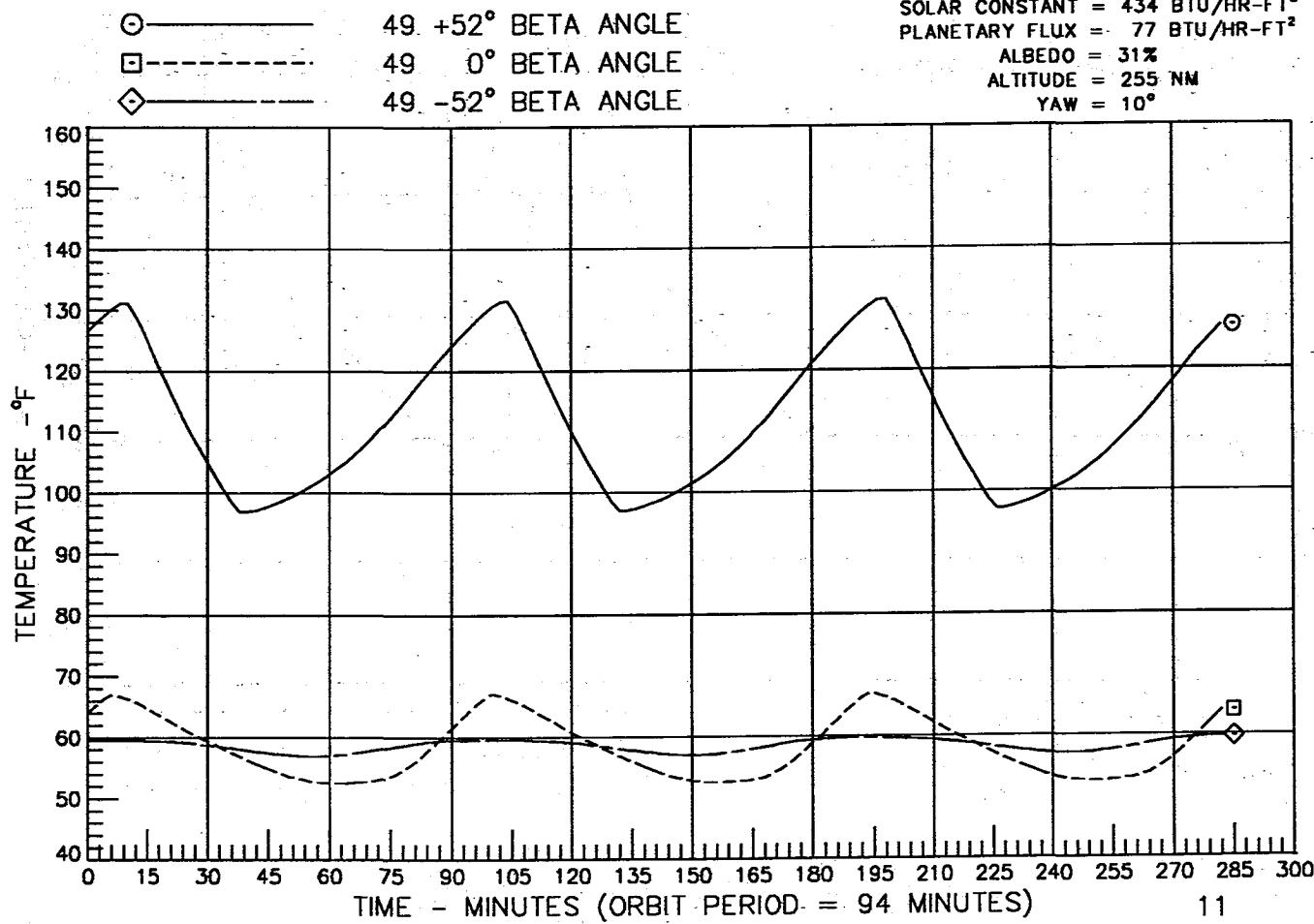
- ————— 127 +52° BETA ANGLE
- ----- 127 0° BETA ANGLE
- ◊ ----- 127 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°

OT - 10



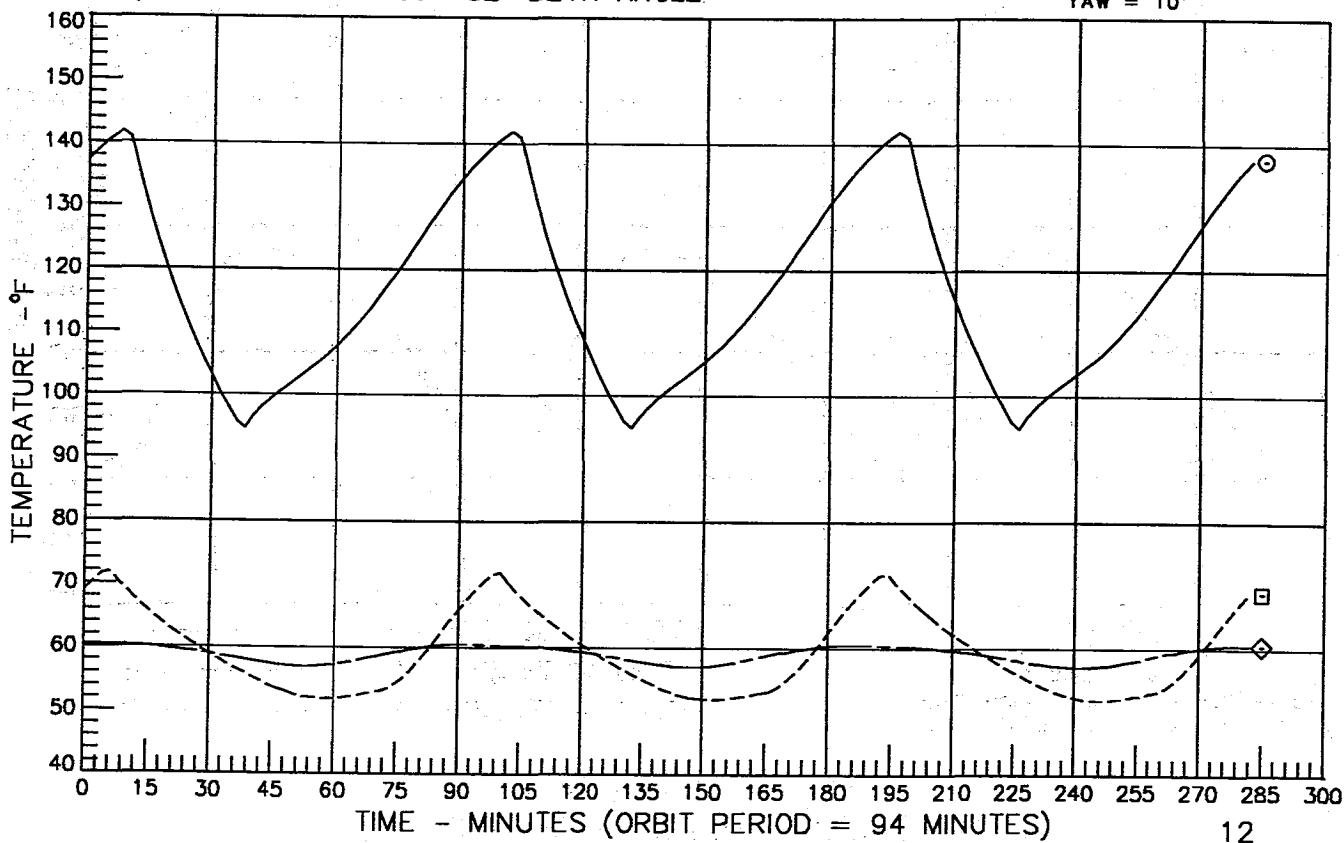
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E1 - TRAY



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E1 - SURFACE

- — 139 +52° BETA ANGLE
- — 139 0° BETA ANGLE
- ◊ — 139 -52° BETA ANGLE

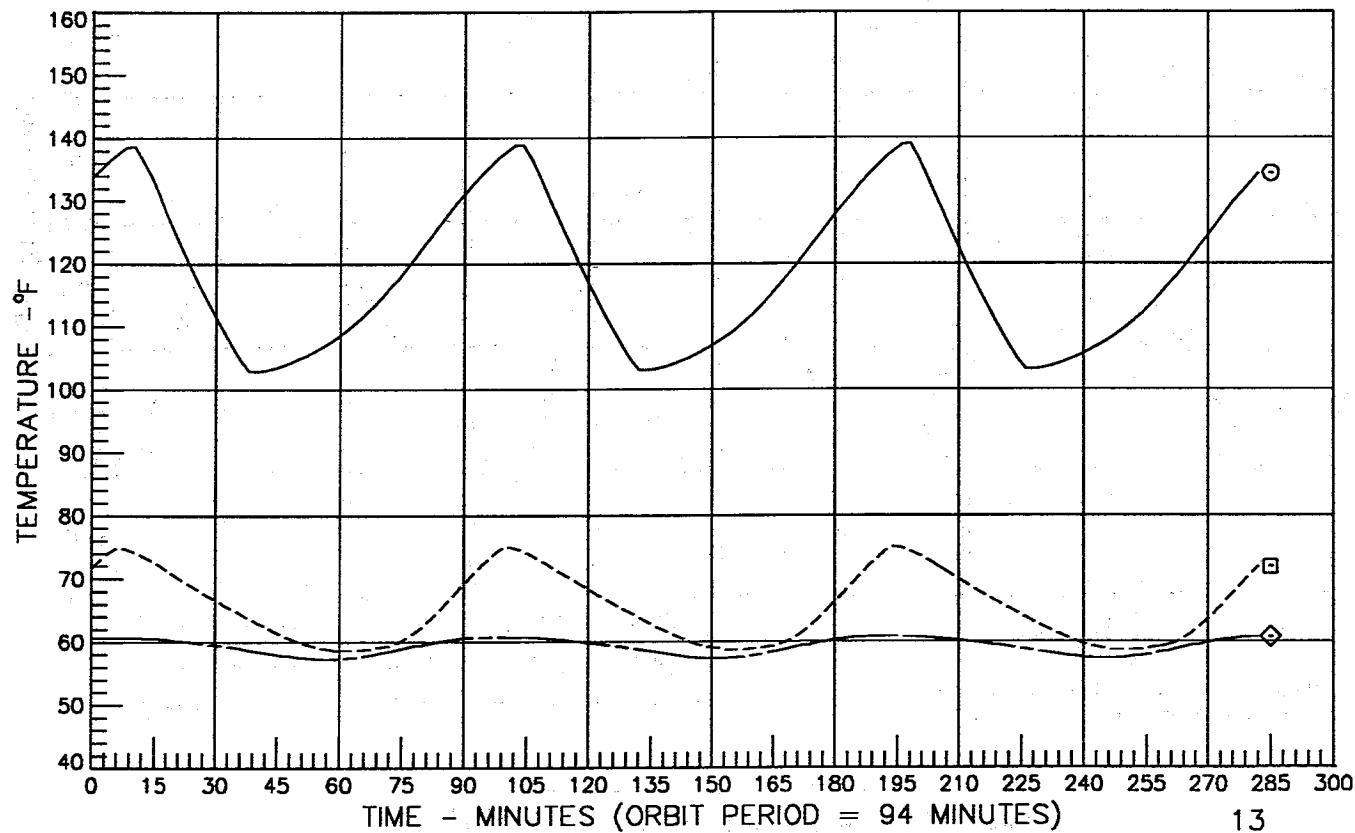
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
 TRANSIENT ORBITAL TEMPERATURES  
 LOCATION: F1 - TRAY

○ ————— 61 +52° BETA ANGLE  
 □ - - - - - 61 0° BETA ANGLE  
 ◇ - - - - - 61 -52° BETA ANGLE

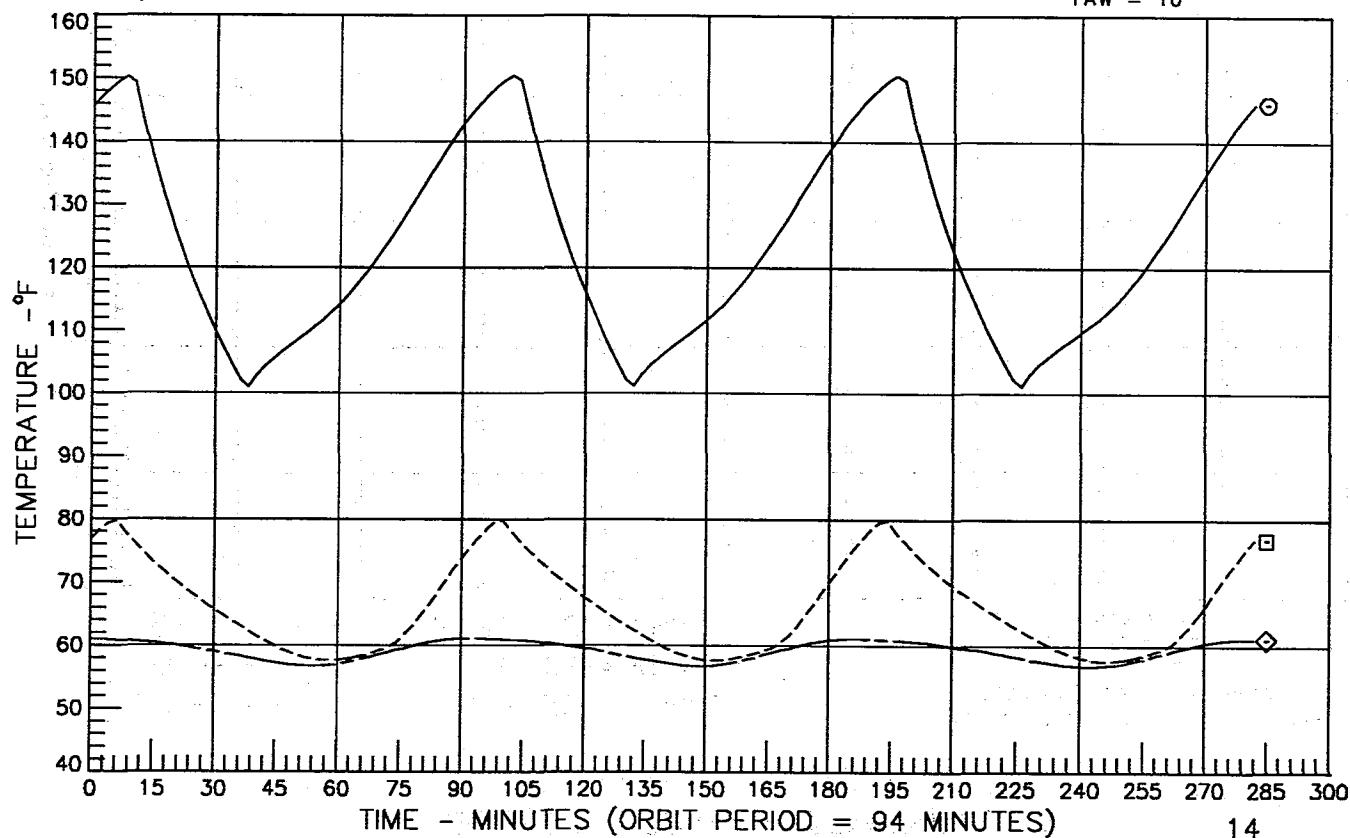
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
 PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
 ALBEDO = 31%  
 ALTITUDE = 255 NM  
 YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: F1 - SURFACE

○——— 151 +52° BETA ANGLE  
□----- 151 0° BETA ANGLE  
◊----- 151 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A2 - TRAY

○ —————

2 +52° BETA ANGLE

□ -----

2 0° BETA ANGLE

◊ -----

2 -52° BETA ANGLE

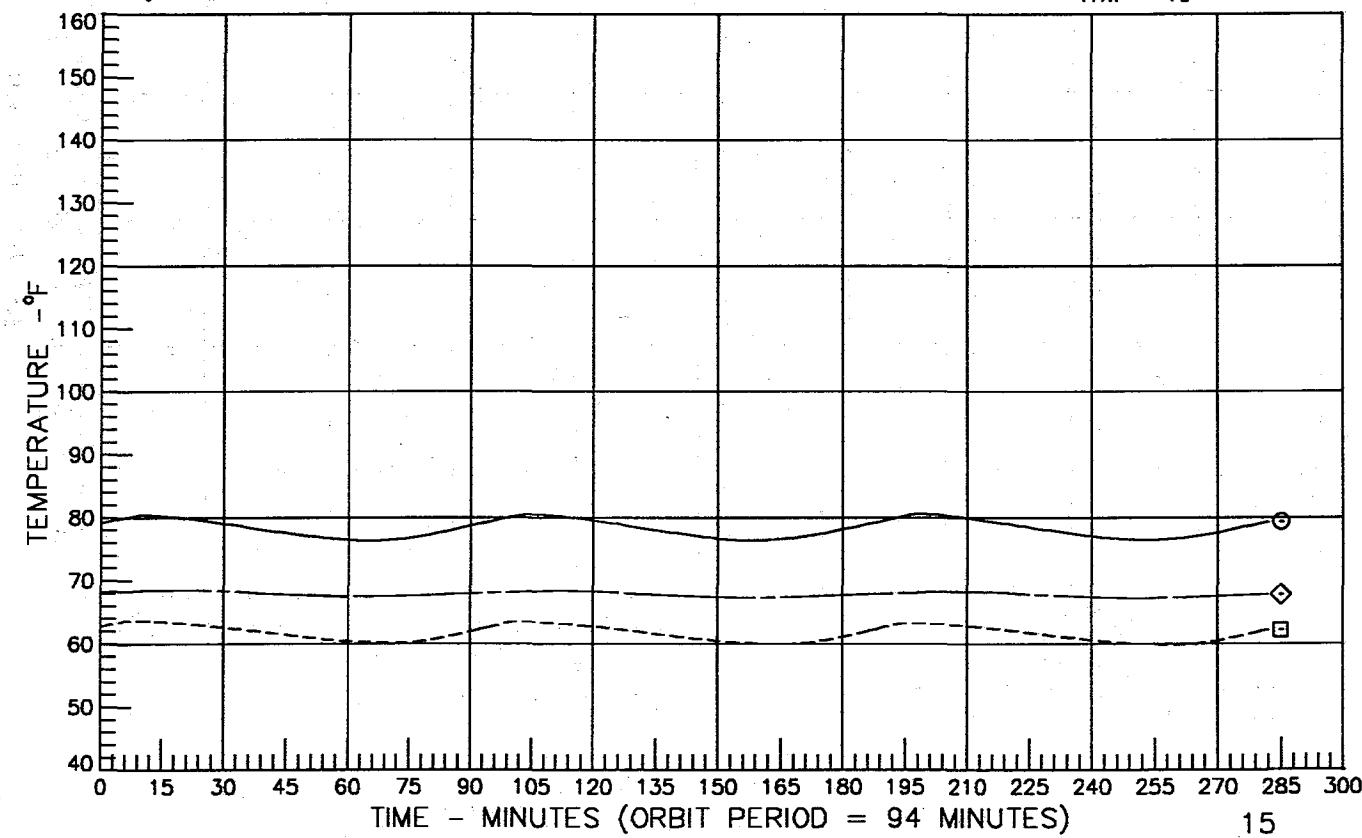
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A2 - SURFACE

○ —————

92 +52° BETA ANGLE

□ -----

92 0° BETA ANGLE

◊ -----

92 -52° BETA ANGLE

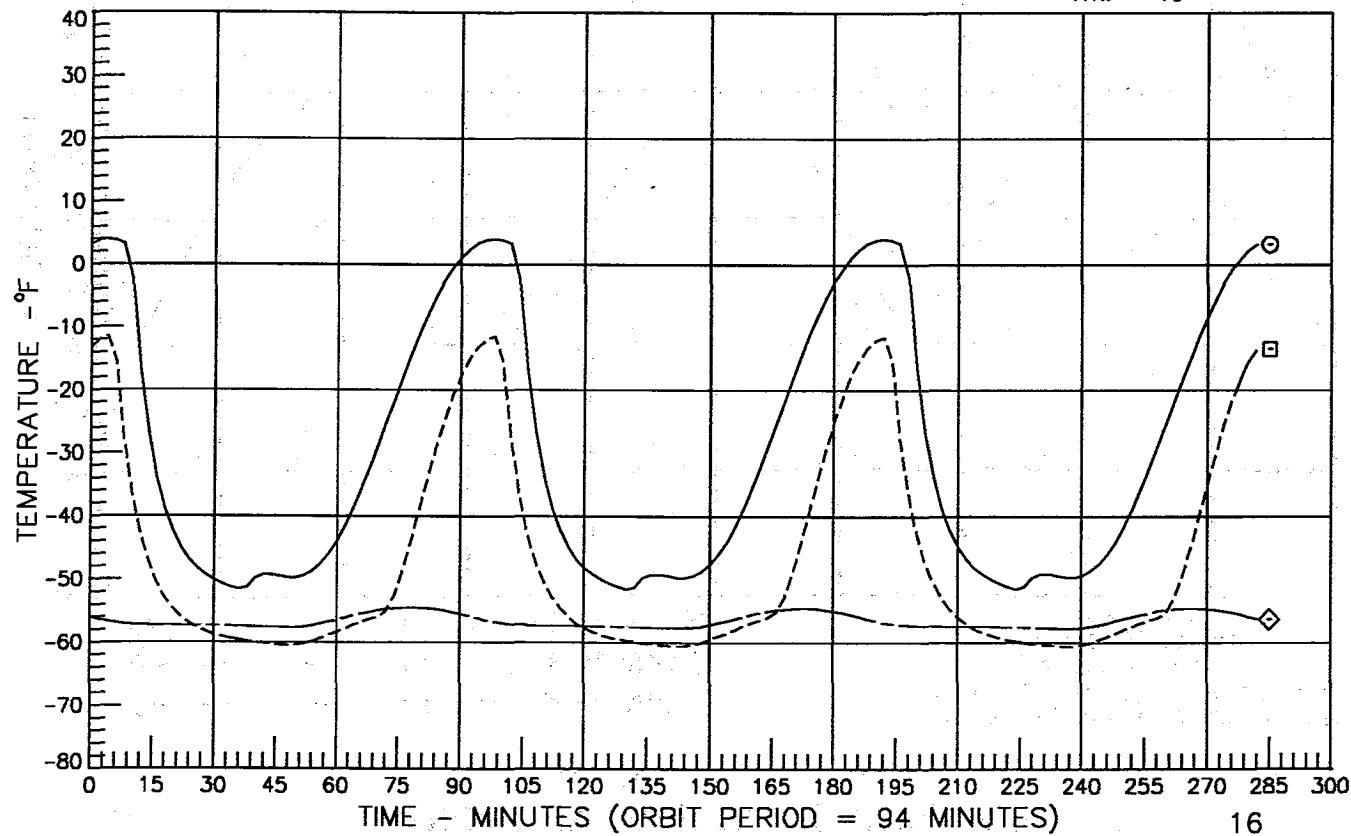
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B2 - TRAY

○ ————— 14 +52° BETA ANGLE

□ - - - - - 14 0° BETA ANGLE

◇ - - - - - 14 -52° BETA ANGLE

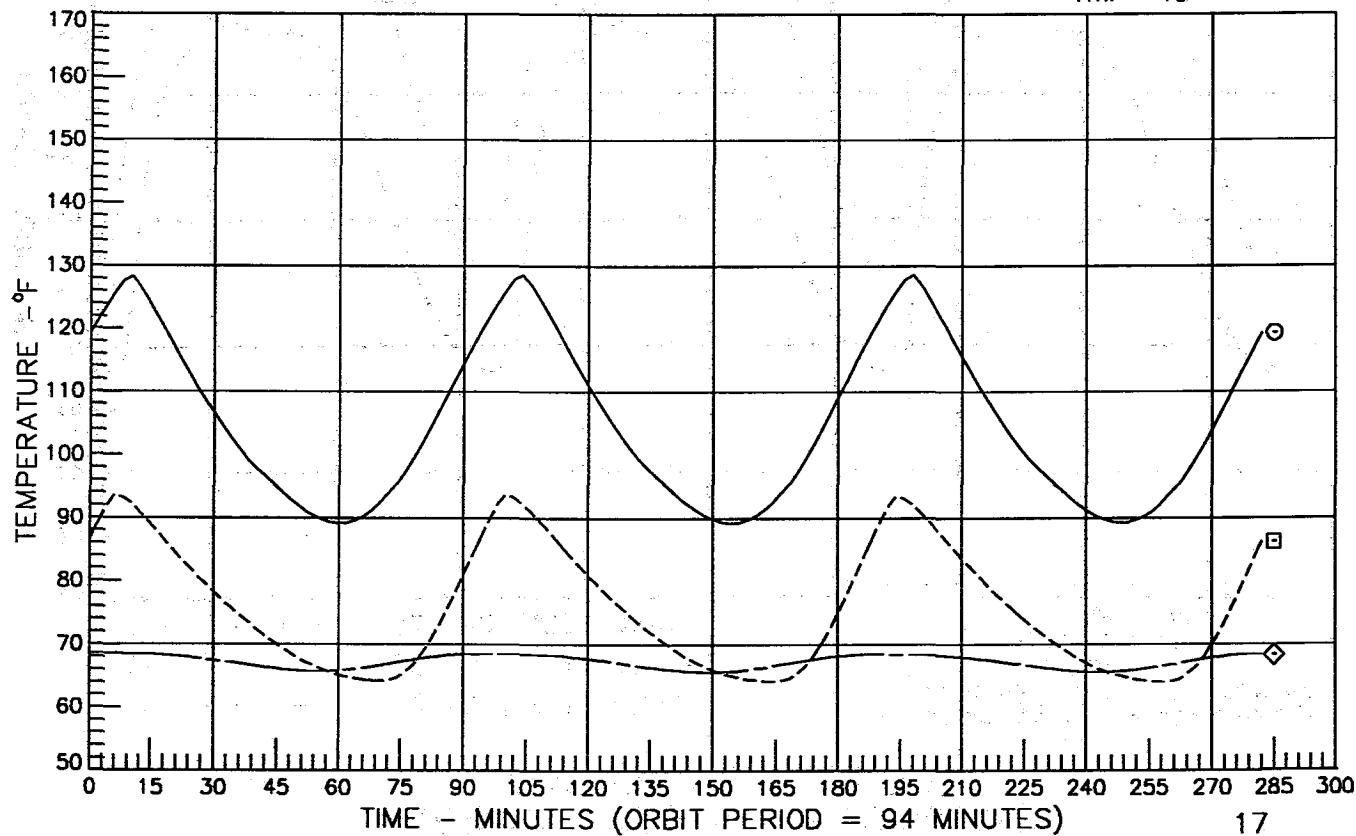
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

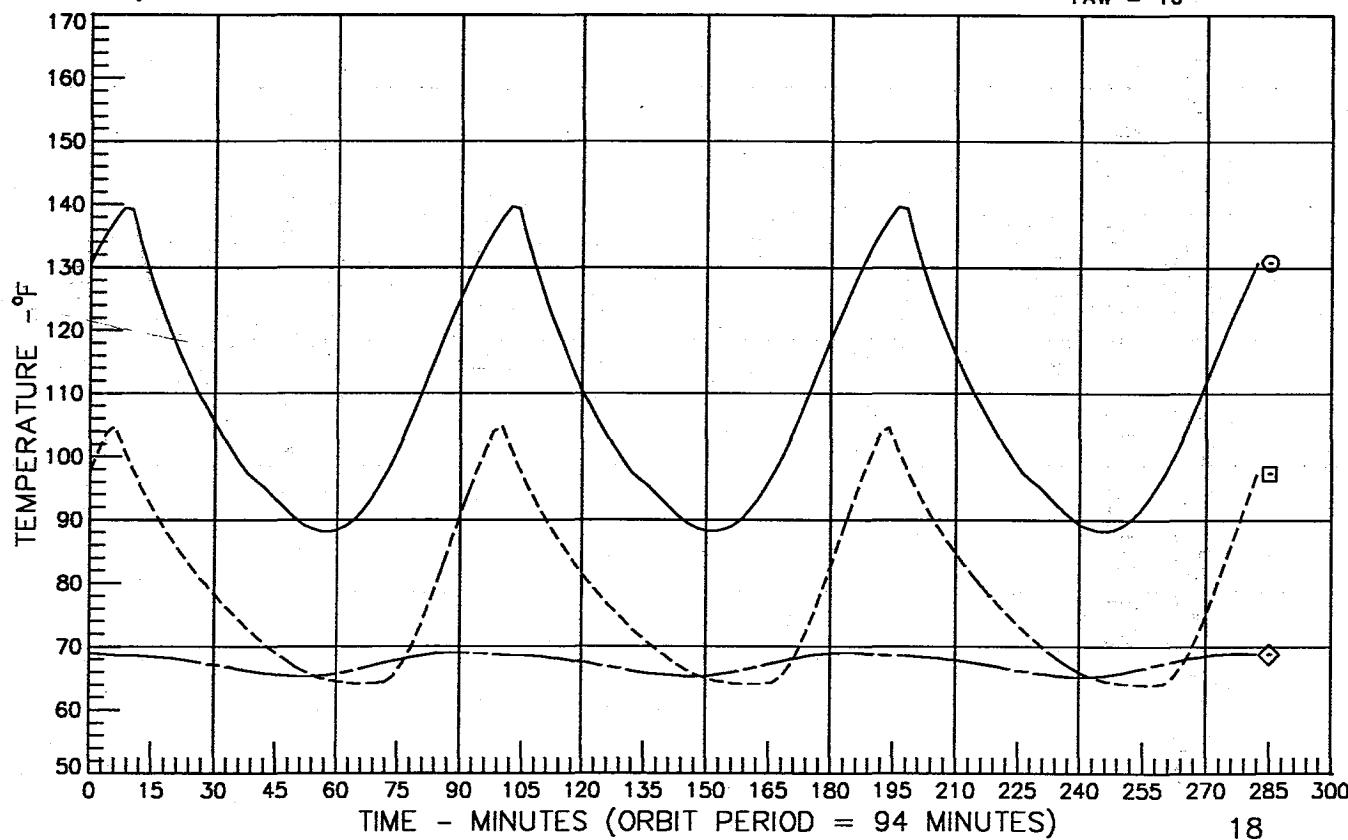
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B2 - SURFACE

○——— 104 +52° BETA ANGLE  
□----- 104 0° BETA ANGLE  
◊----- 104 -52° BETA ANGLE

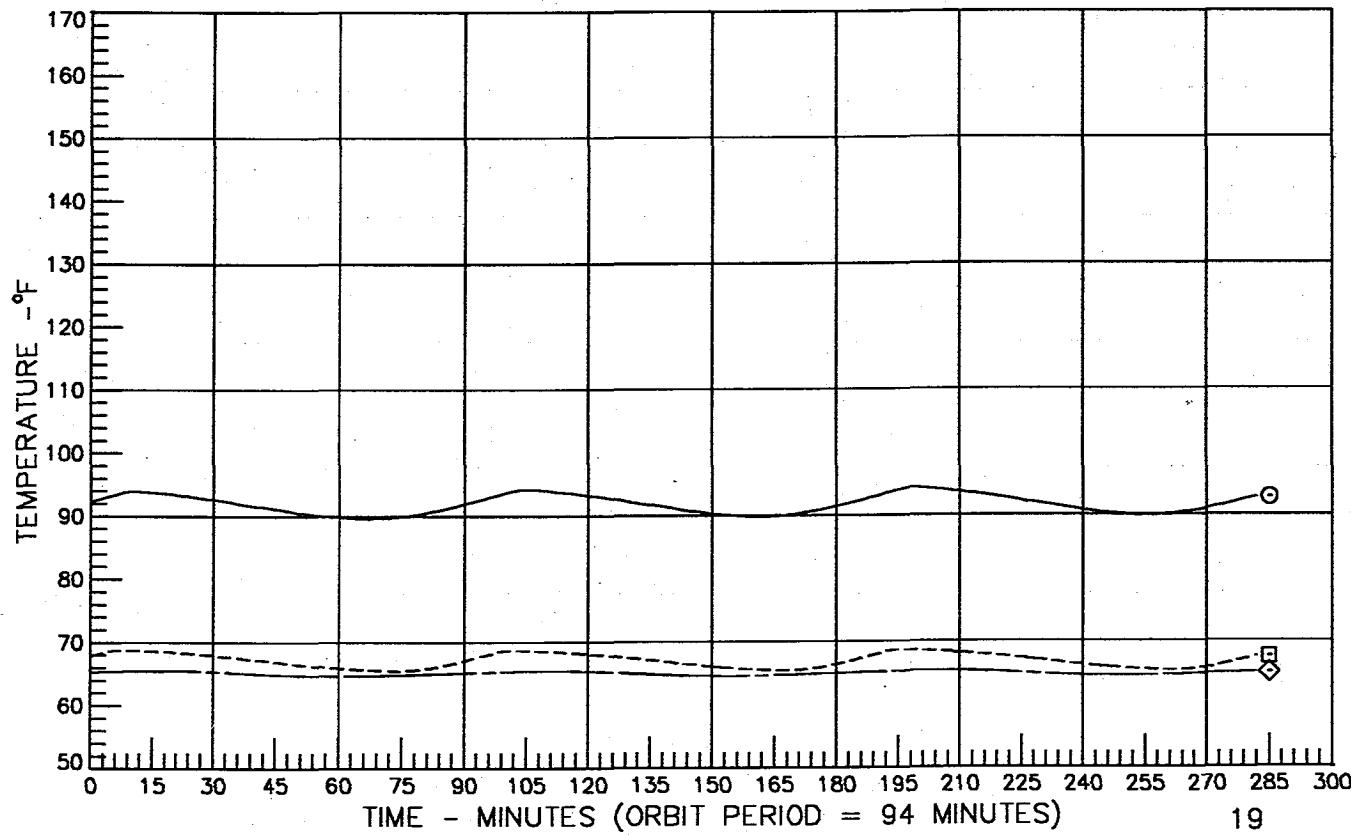
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C2 - TRAY

- 26 +52° BETA ANGLE
- 26 0° BETA ANGLE
- ◊----- 26 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C2 - SURFACE

○ ————— 116 +52° BETA ANGLE

□ ----- 116 0° BETA ANGLE

◊ ————— 116 -52° BETA ANGLE

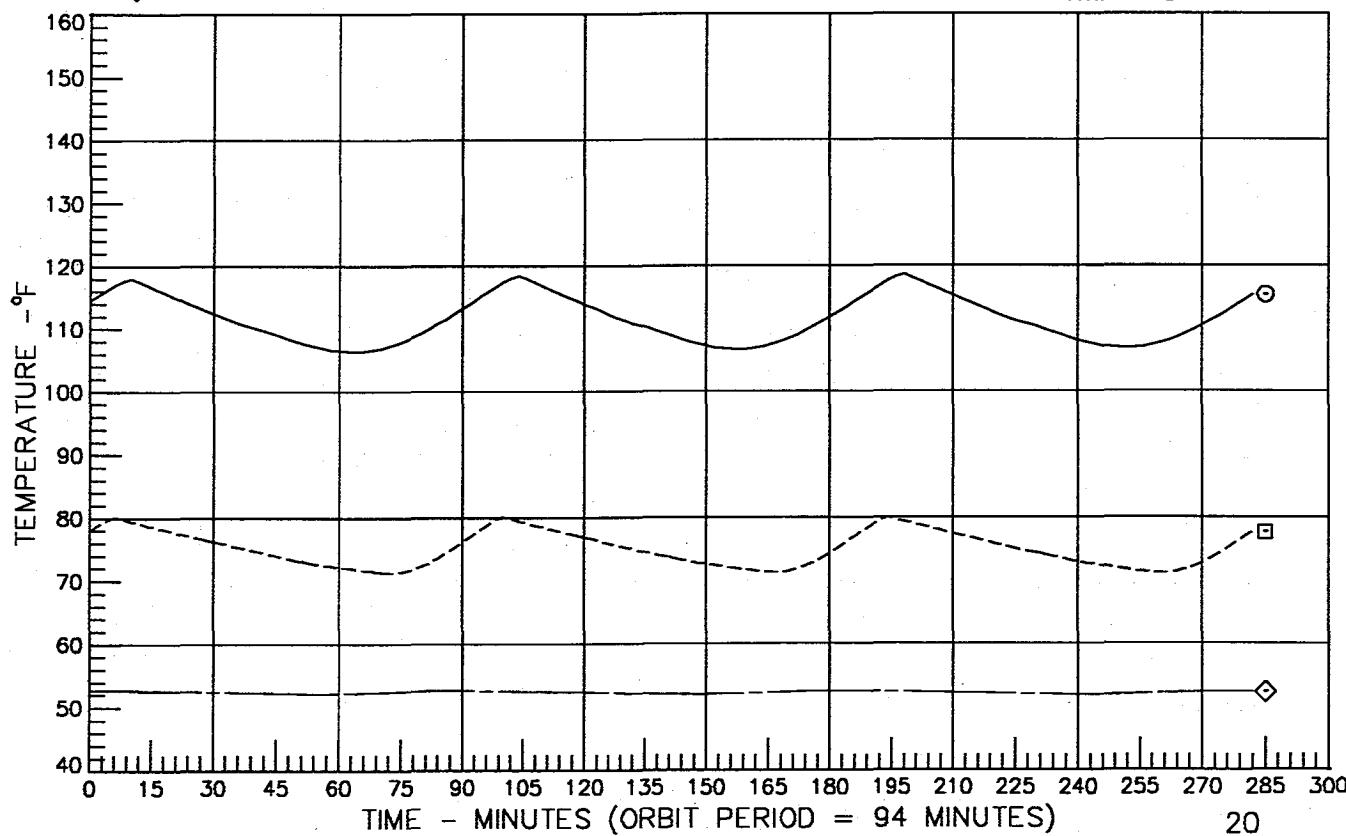
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

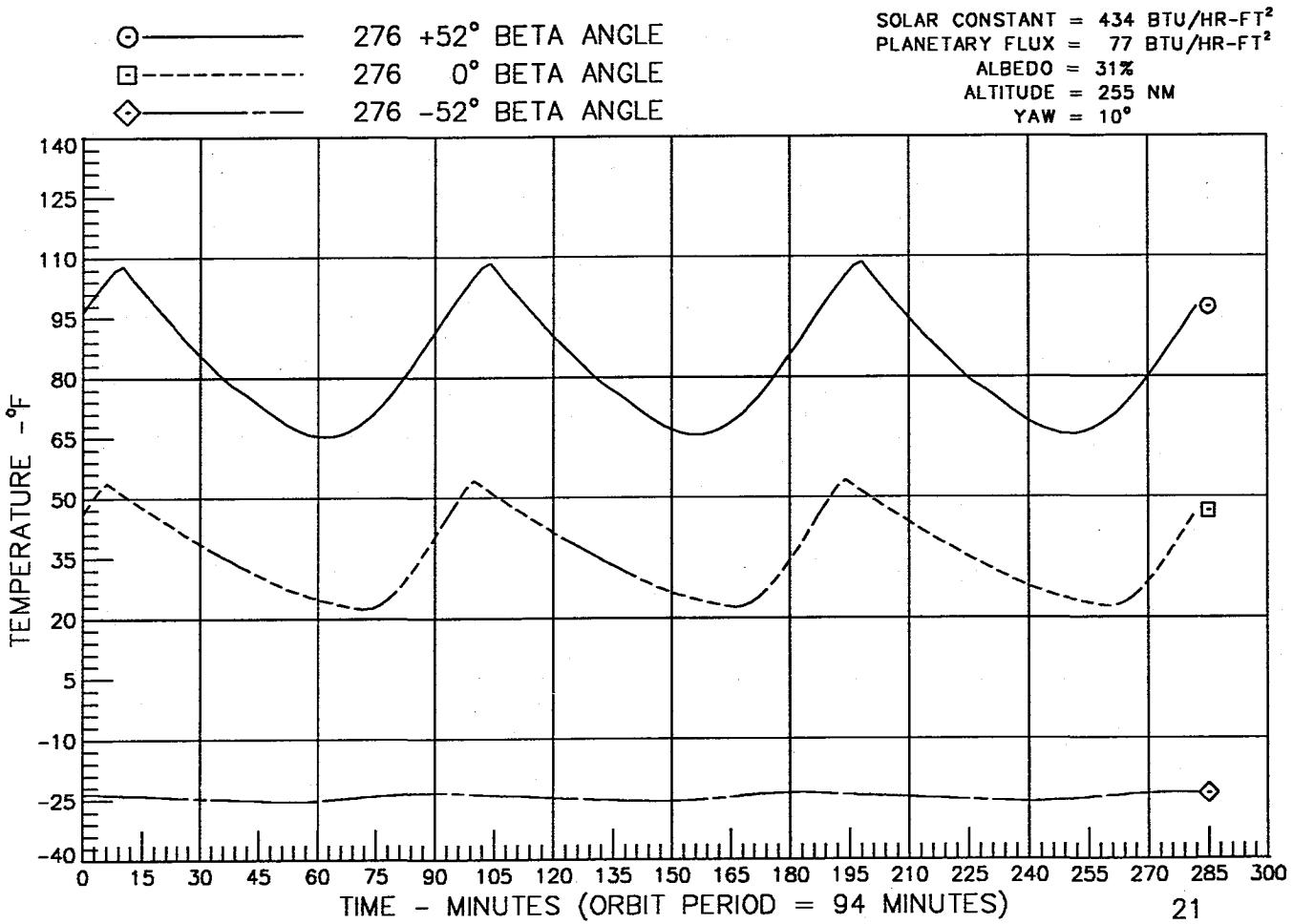
ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C2 - SURFACE



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D2 - TRAY

○ ————— 38 +52° BETA ANGLE

□ ----- 38 0° BETA ANGLE

◊ ————— 38 -52° BETA ANGLE

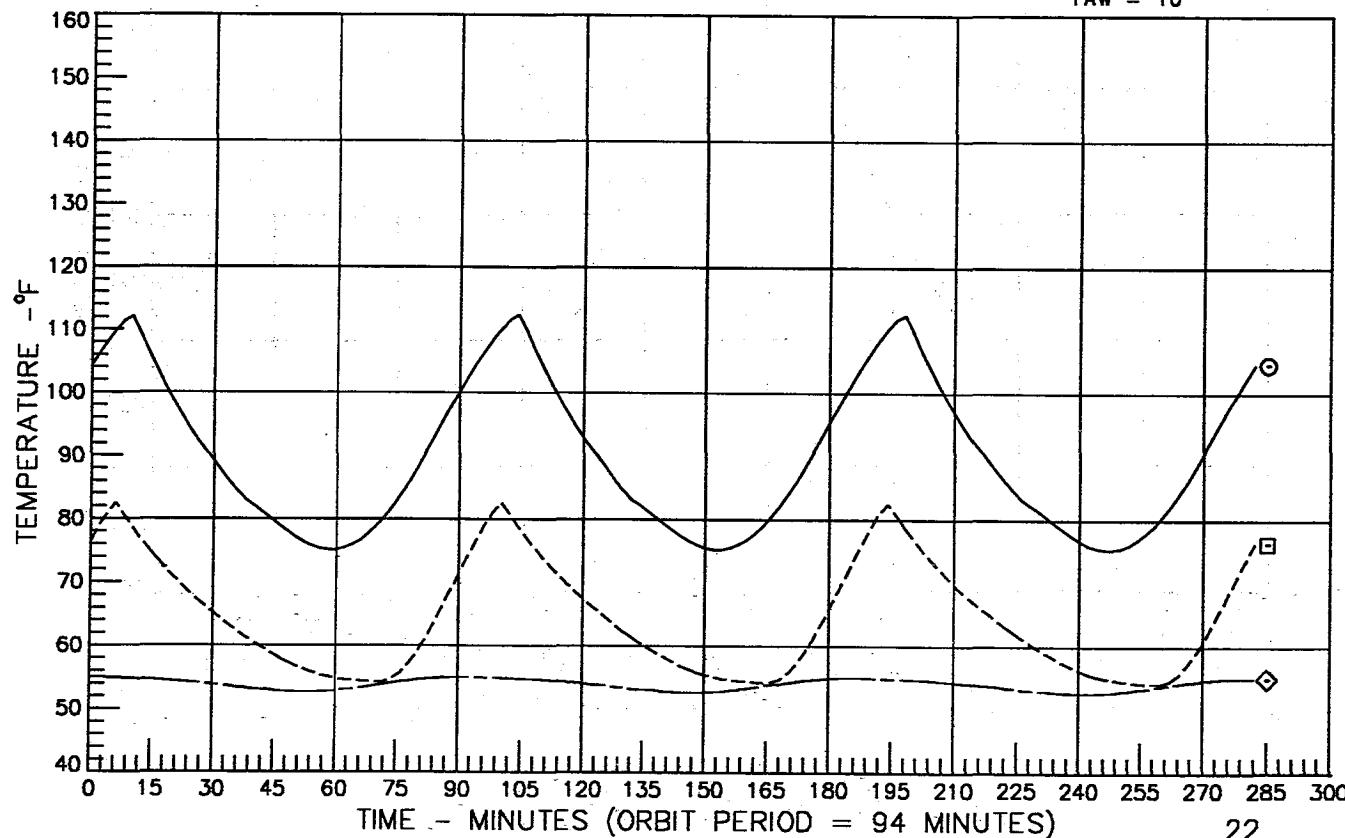
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D2 - SURFACE

○ ----- 128 +52° BETA ANGLE

□ ----- 128 0° BETA ANGLE

◊ ----- 128 -52° BETA ANGLE

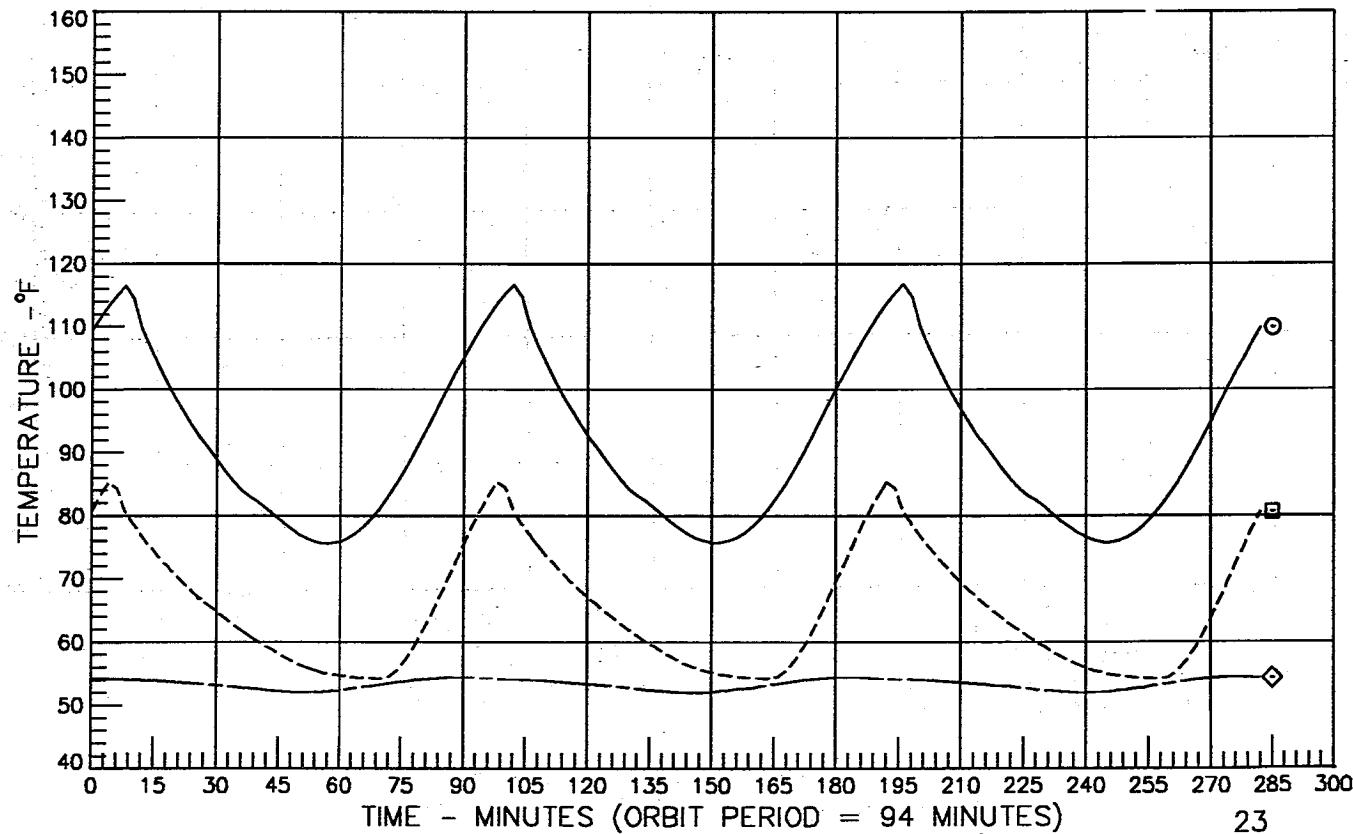
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

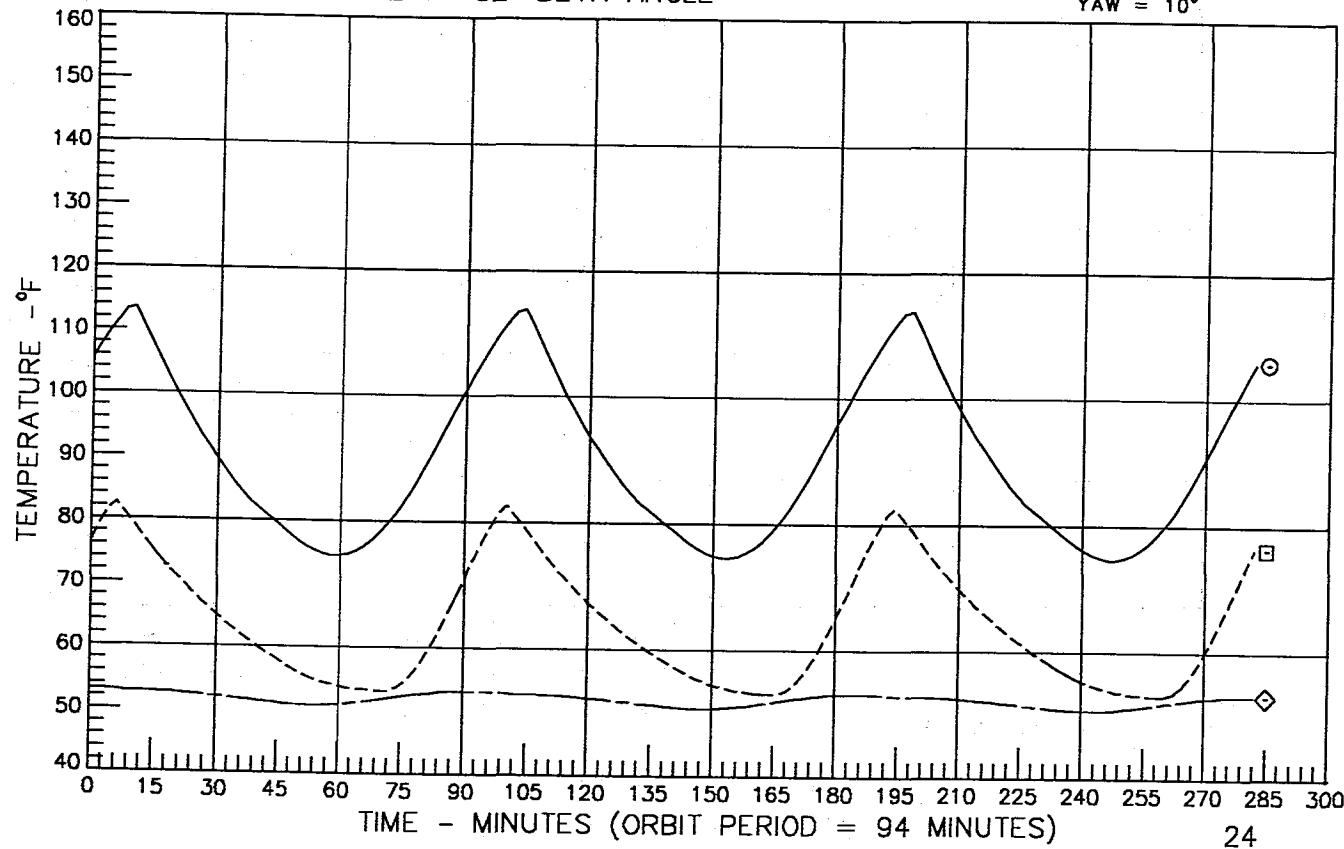
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
 TRANSIENT ORBITAL TEMPERATURES  
 LOCATION: D2 - SURFACE

- ————— 277 +52° BETA ANGLE
- ----- 277 0° BETA ANGLE
- ◊ ----- 277 -52° BETA ANGLE

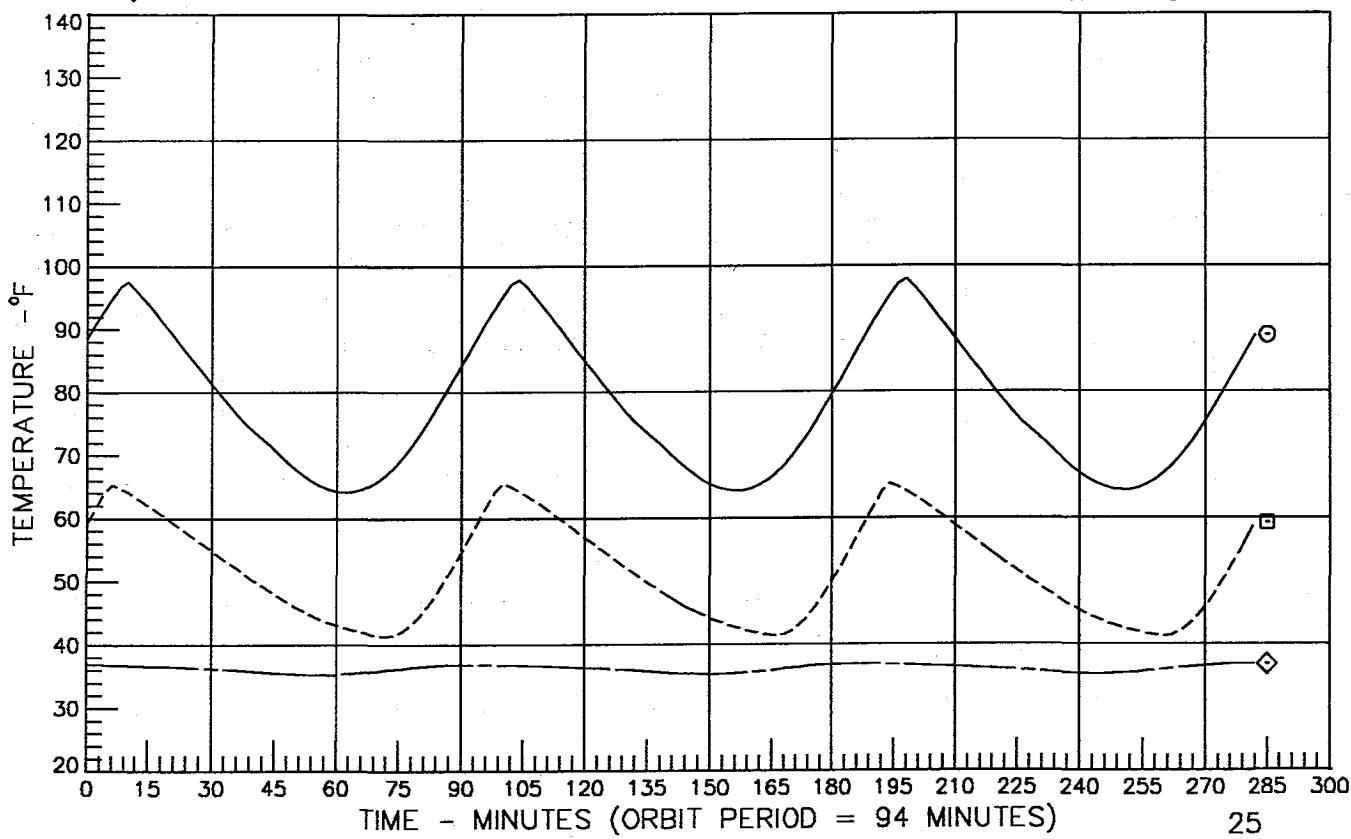
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
 PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
 ALBEDO = 31%  
 ALTITUDE = 255 NM  
 YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D2 - SURFACE

○ ————— 278 +52° BETA ANGLE  
□ ----- 278 0° BETA ANGLE  
◊ ----- 278 -52° BETA ANGLE

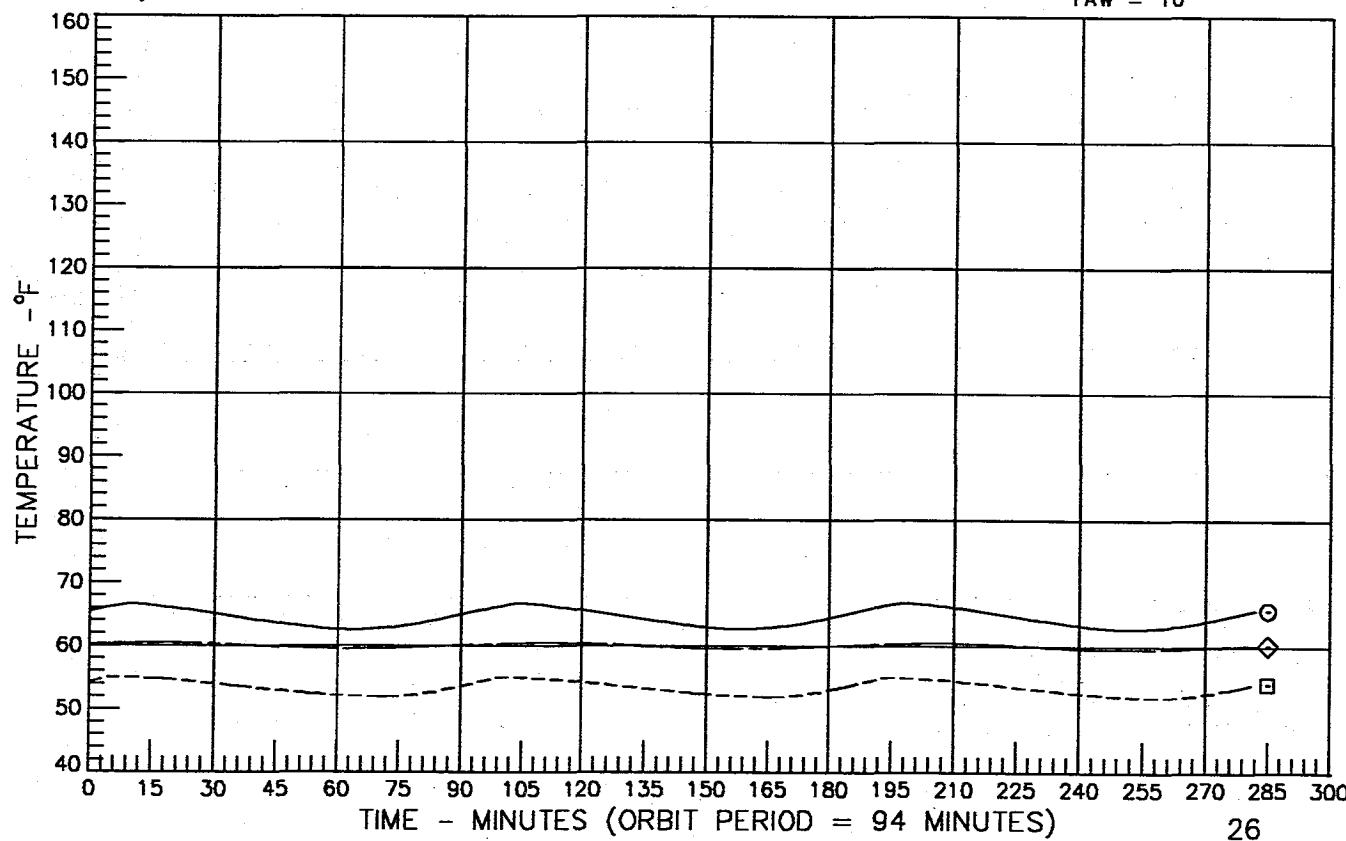
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E2 - TRAY

○——— 50 +52° BETA ANGLE  
□----- 50 0° BETA ANGLE  
◊----- 50 -52° BETA ANGLE

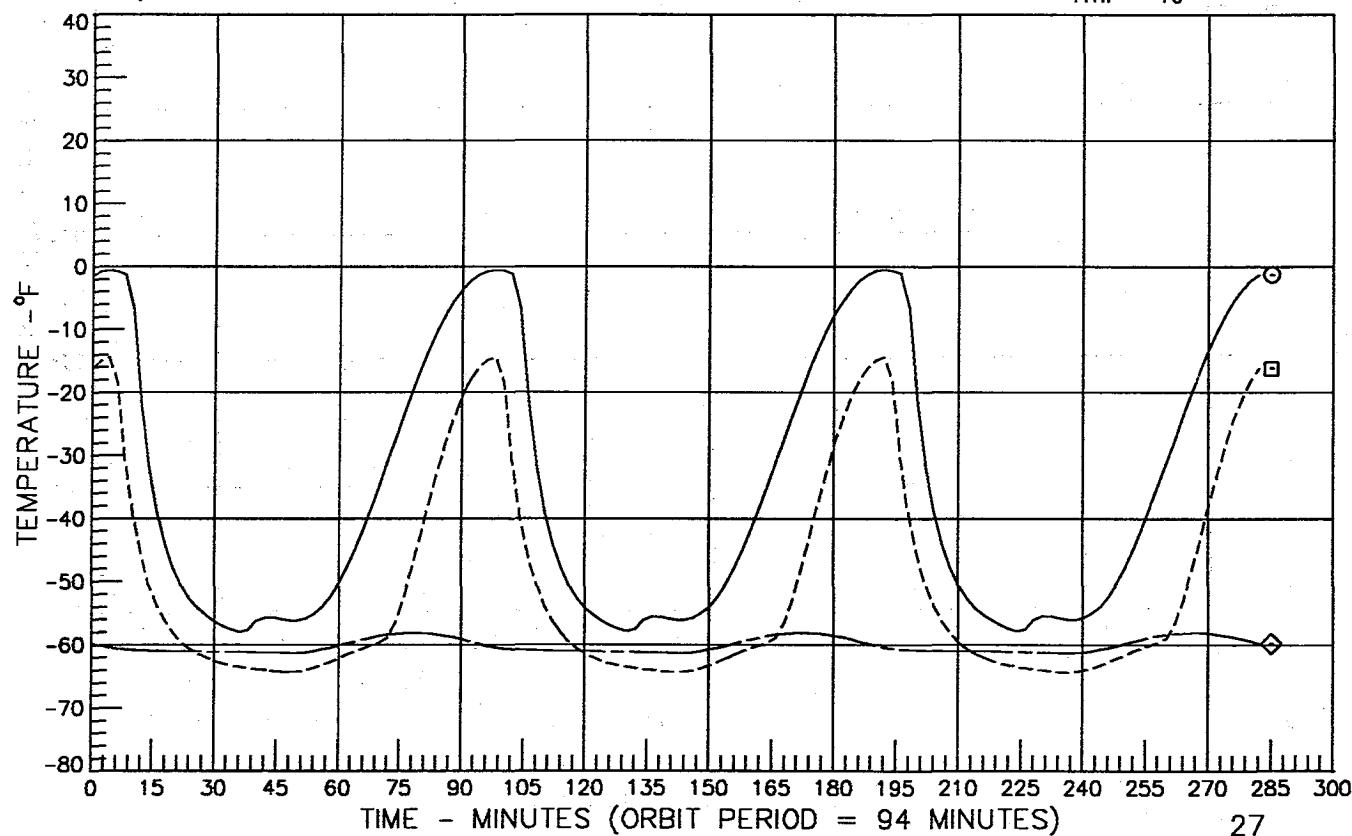
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E2 - SURFACE

○——— 140 +52° BETA ANGLE  
□----- 140 0° BETA ANGLE  
◊----- 140 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: F2 - TRAY

○ —————

62 +52° BETA ANGLE

□ -----

62 0° BETA ANGLE

◊ -----

62 -52° BETA ANGLE

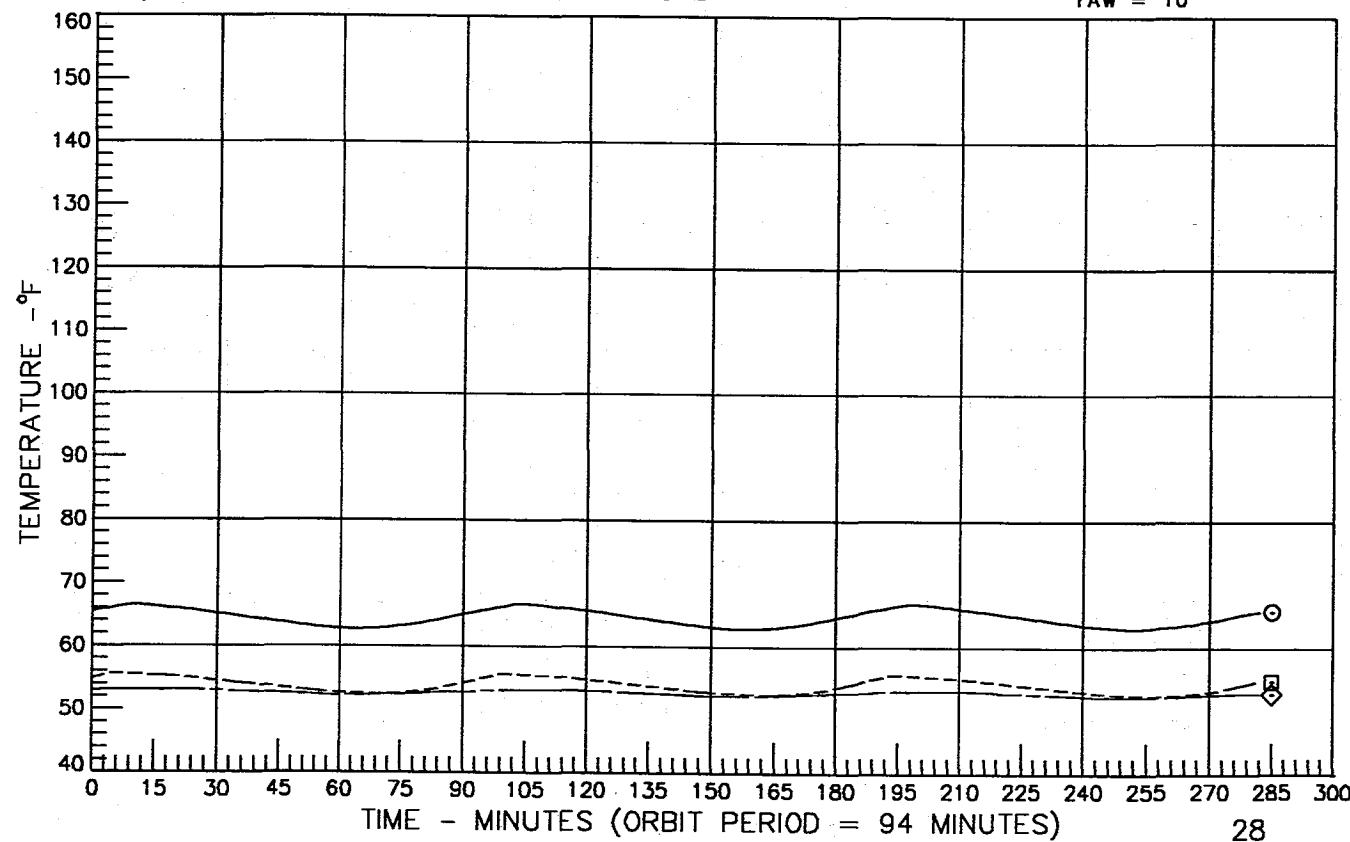
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

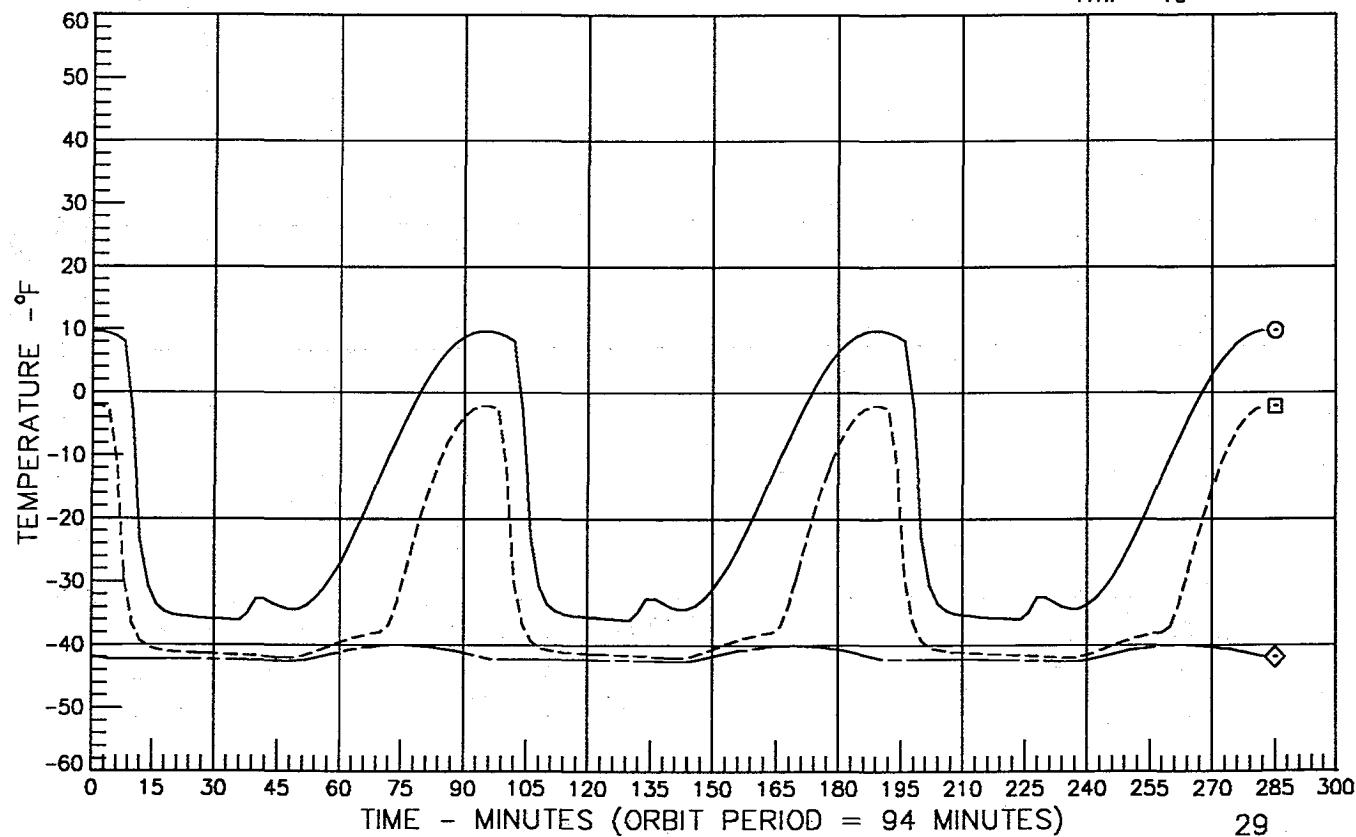
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: F2 - SURFACE

○——— 152 +52° BETA ANGLE  
□----- 152 0° BETA ANGLE  
◊----- 152 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A3 - TRAY

○ ————— 3 +52° BETA ANGLE

□ ----- 3 0° BETA ANGLE

◊ ————— 3 -52° BETA ANGLE

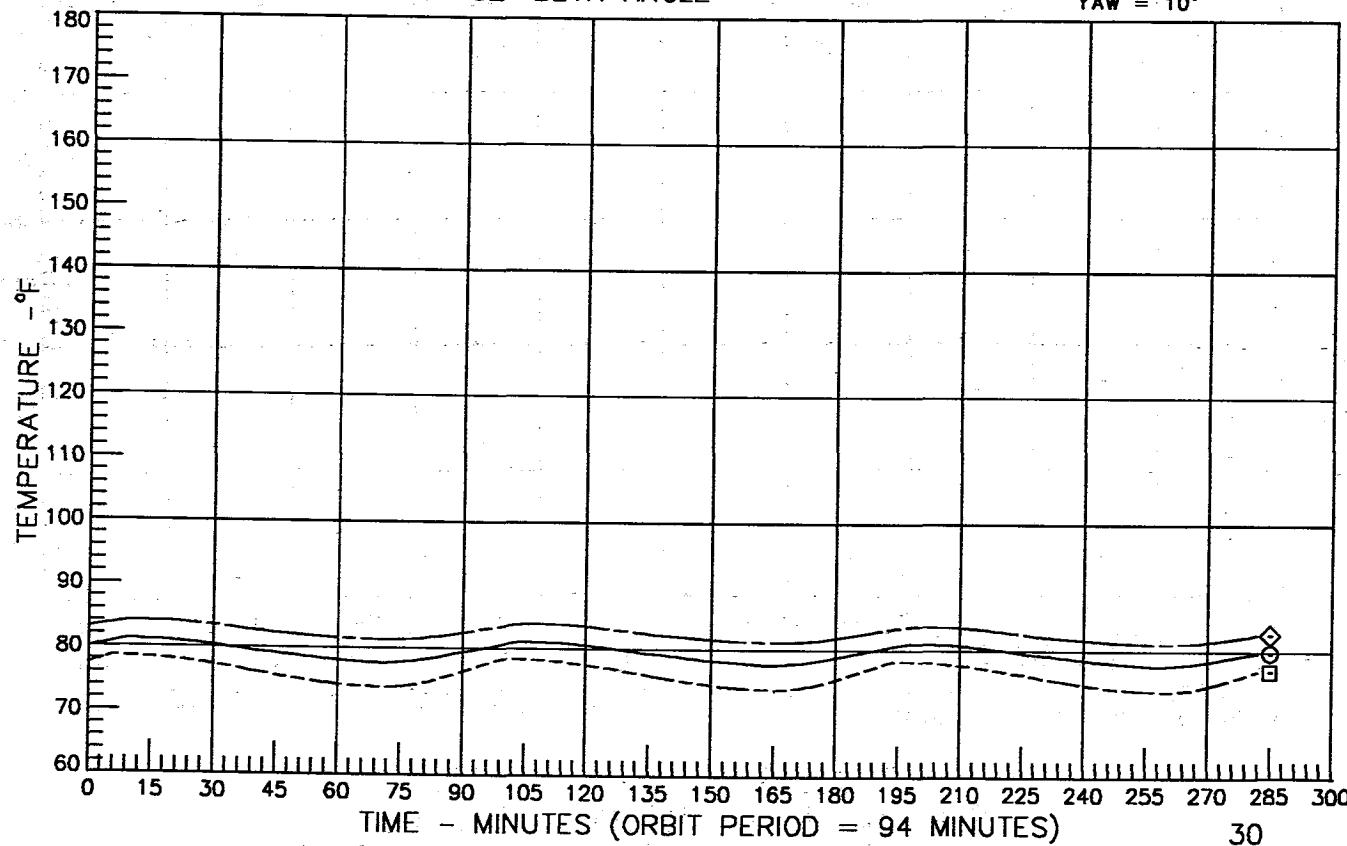
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A3 - SURFACE

○ ————— 93 +52° BETA ANGLE

□ ----- 93 0° BETA ANGLE

◊ ----- 93 -52° BETA ANGLE

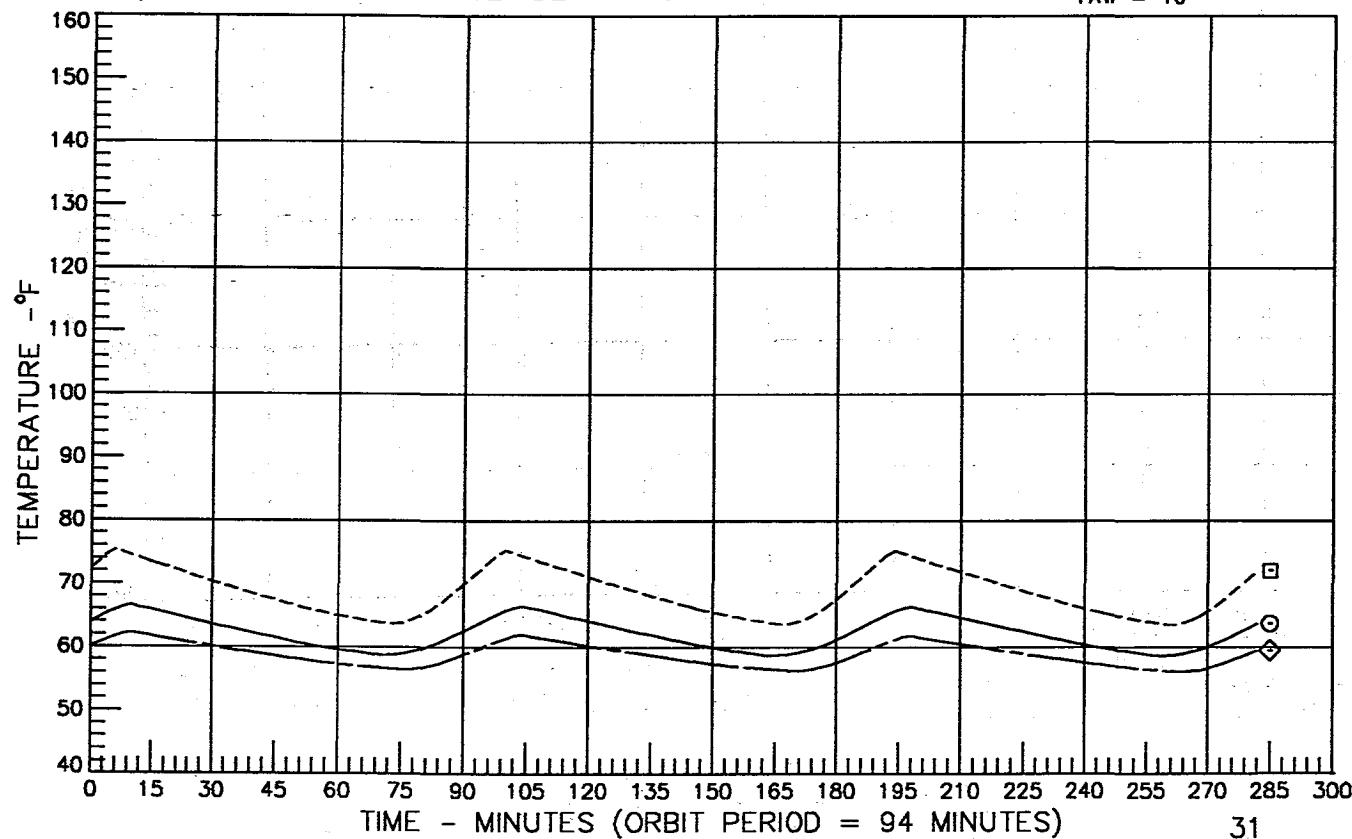
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

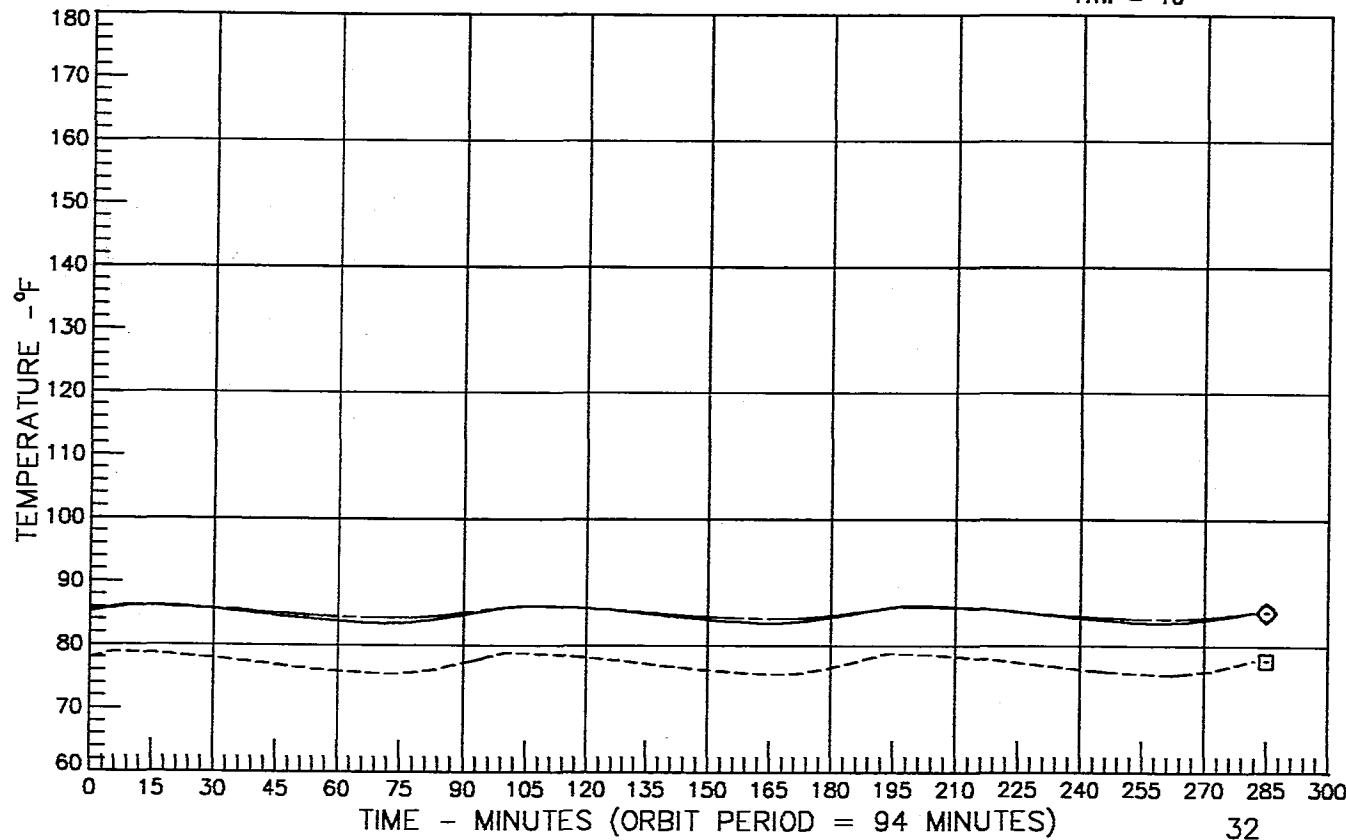
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B3 - TRAY

- ————— 15 +52° BETA ANGLE
- ----- 15 0° BETA ANGLE
- ◊ ----- 15 -52° BETA ANGLE

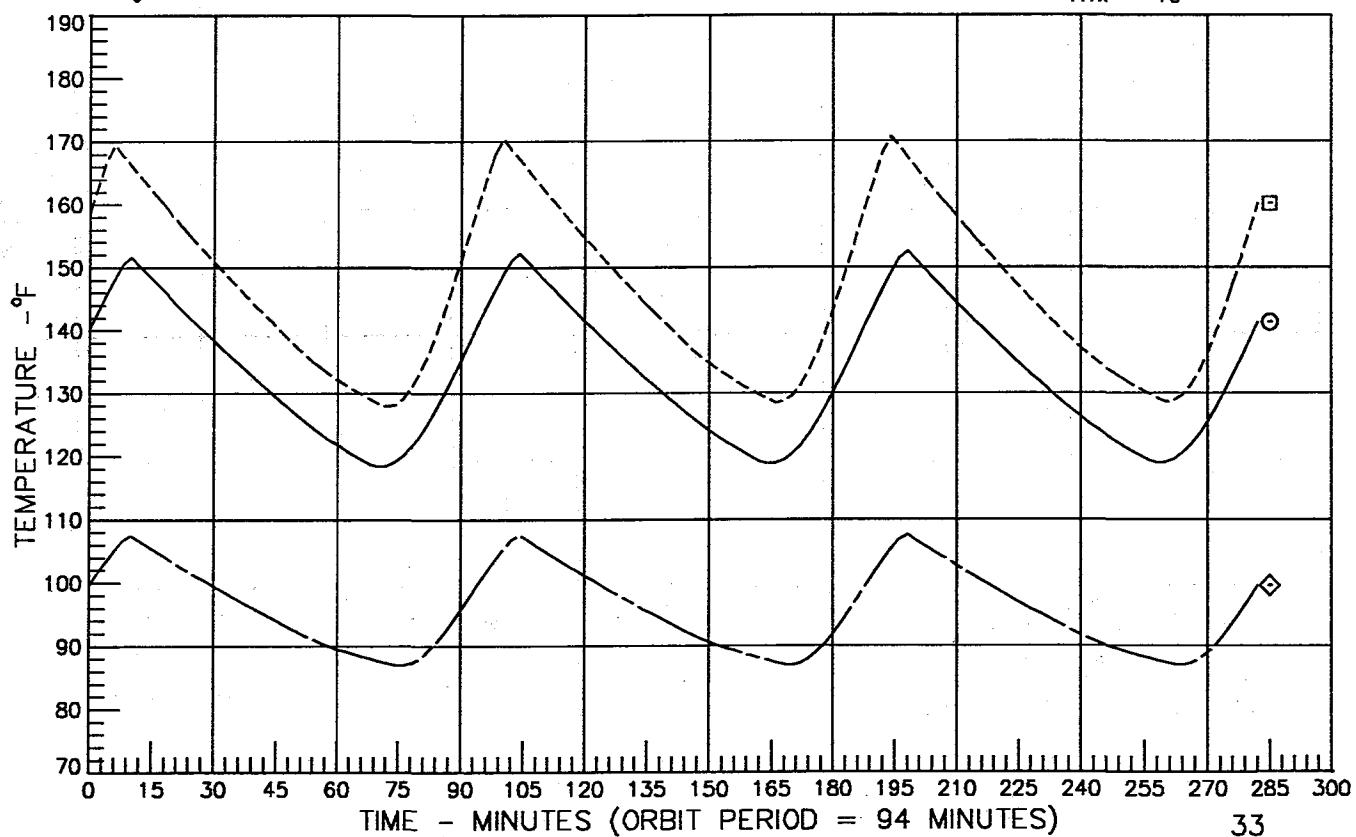
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



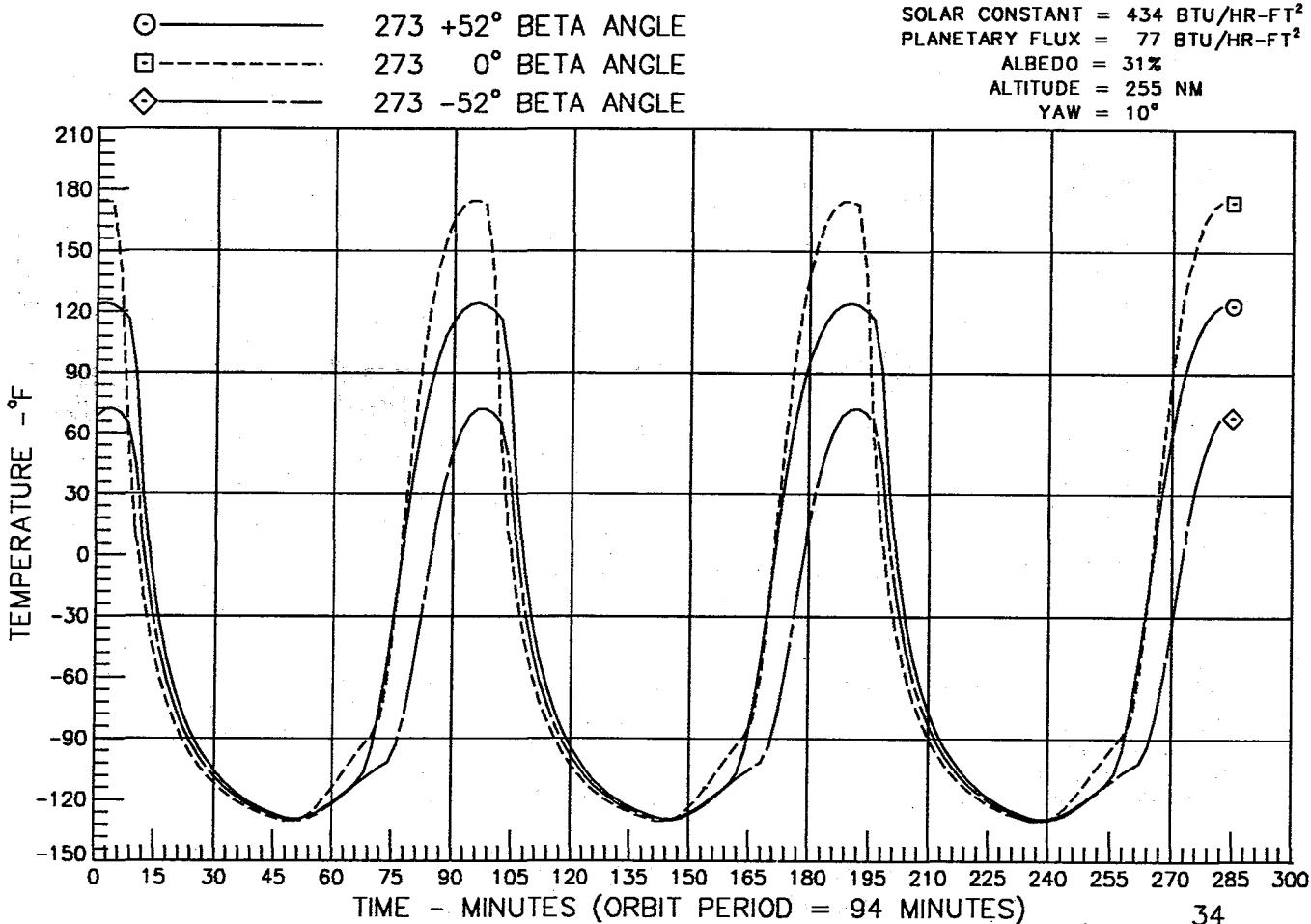
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B3 - SURFACE

○ ————— 105 +52° BETA ANGLE  
□ ————— 105 0° BETA ANGLE  
◊ ————— 105 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B3 - SURFACE



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C3 - TRAY

○ —————

27 +52° BETA ANGLE

□ -----

27 0° BETA ANGLE

◇ -----

27 -52° BETA ANGLE

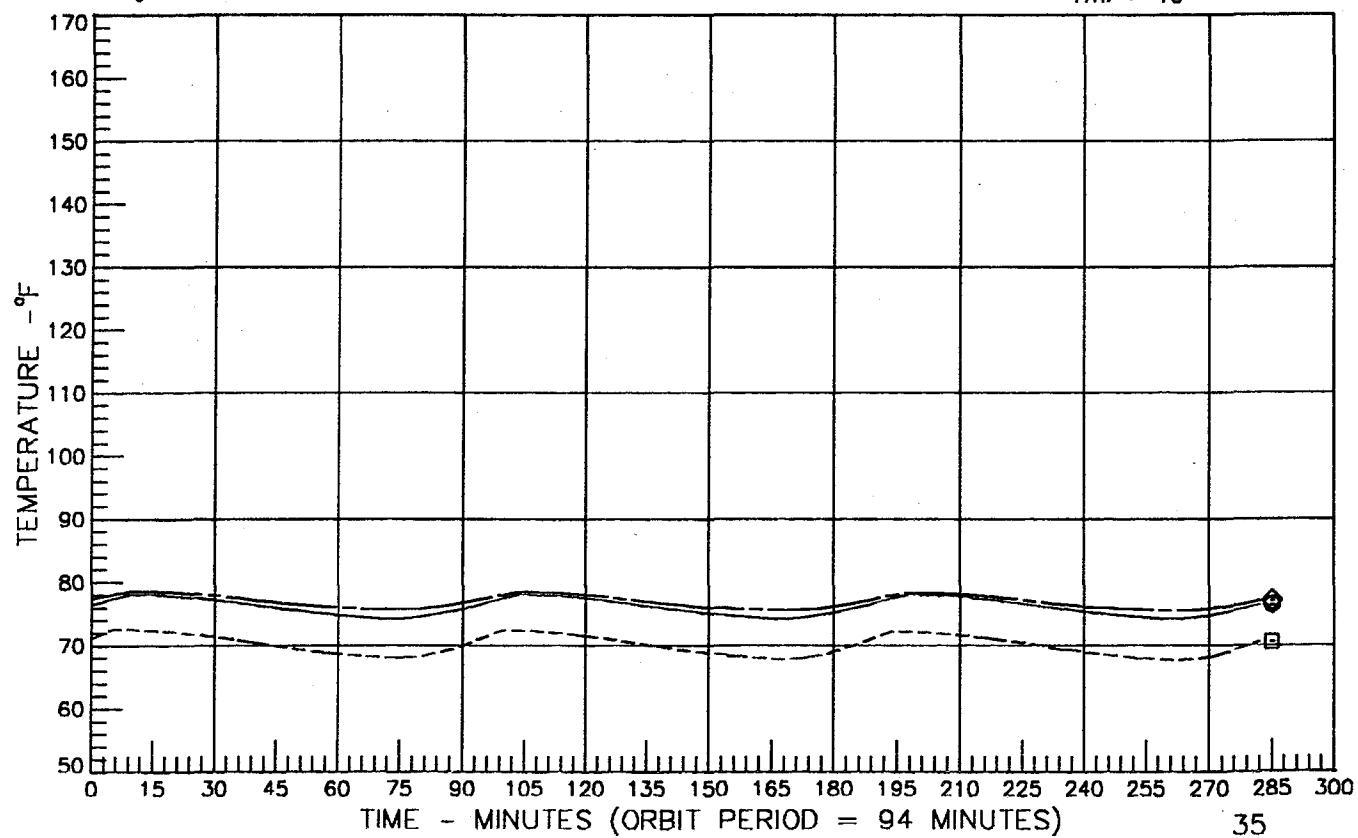
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

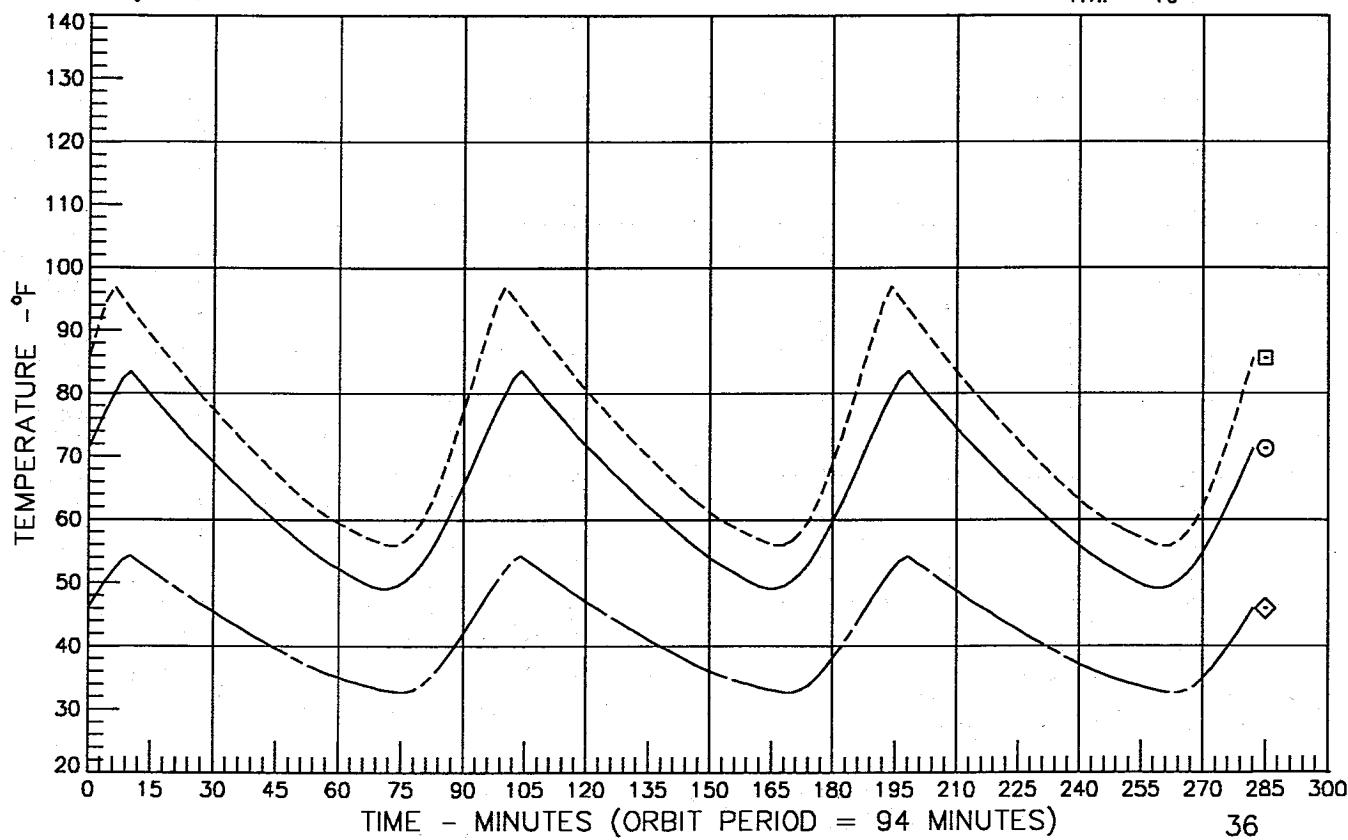
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C3 - SURFACE

○——— 117 +52° BETA ANGLE  
□----- 117 0° BETA ANGLE  
◊----- 117 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D3 - TRAY

○ ————— 39 +52° BETA ANGLE

□ ————— 39 0° BETA ANGLE

◇ ————— 39 -52° BETA ANGLE

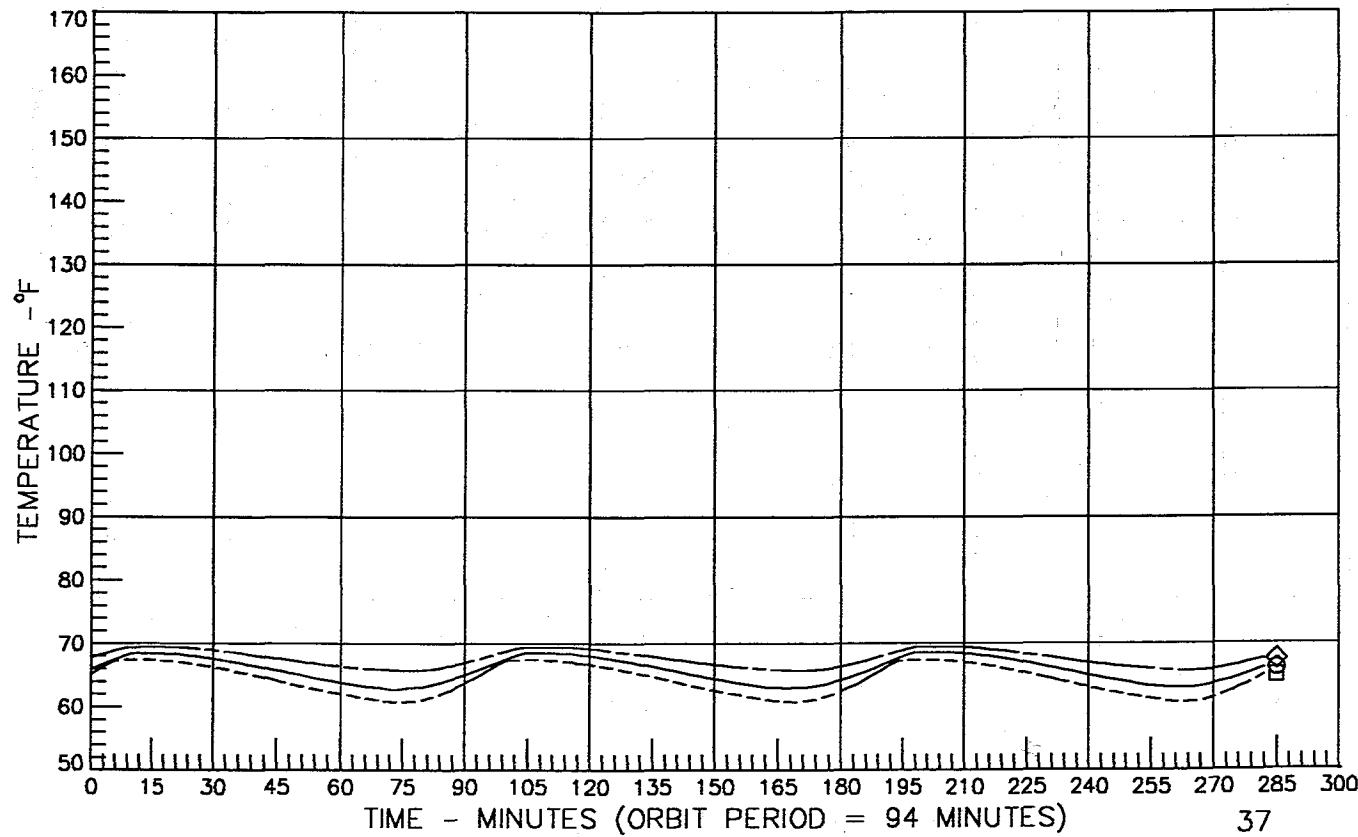
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

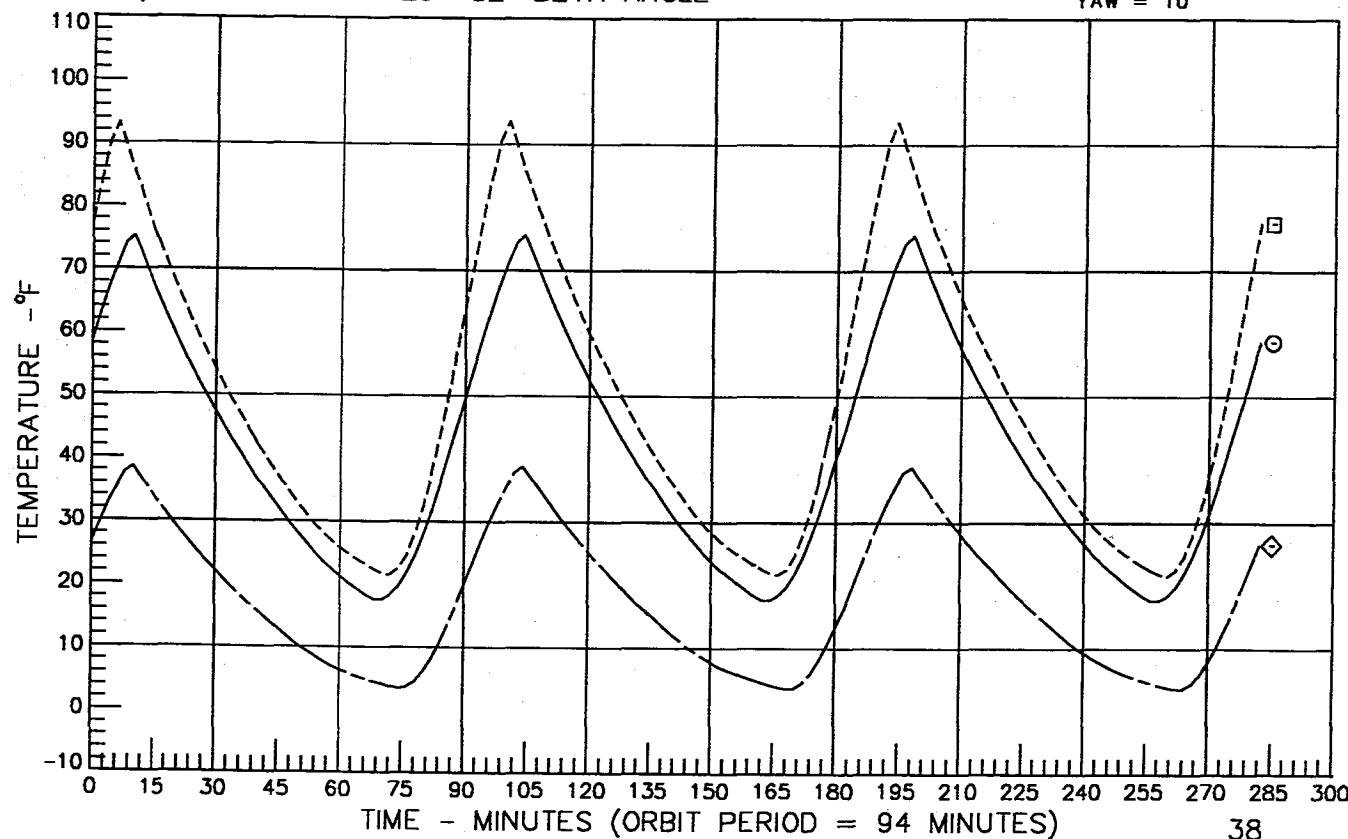
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
 TRANSIENT ORBITAL TEMPERATURES  
 LOCATION: D3 - SURFACE

○ ————— 129 +52° BETA ANGLE  
 □ ----- 129 0° BETA ANGLE  
 ◇ ----- 129 -52° BETA ANGLE

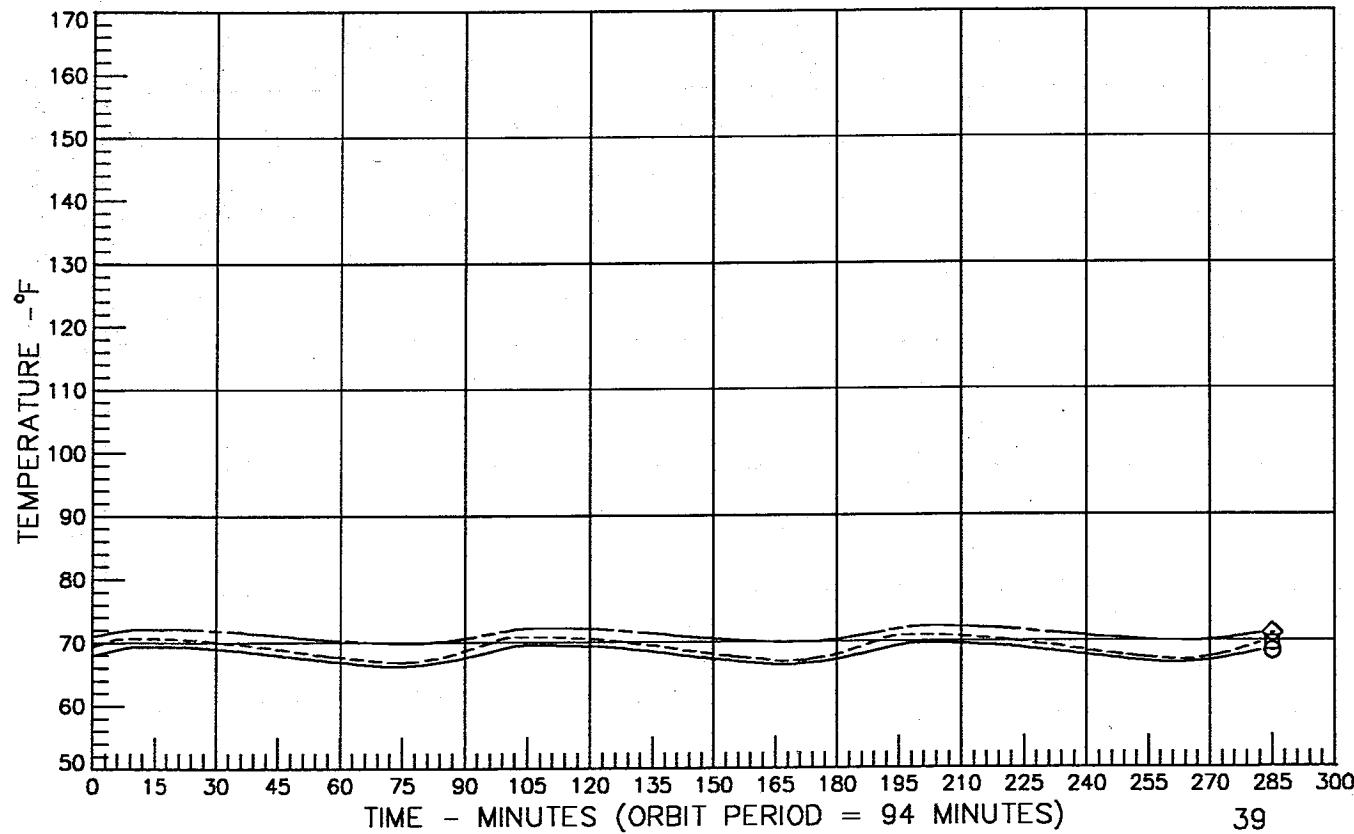
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
 PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
 ALBEDO = 31%  
 ALTITUDE = 255 NM  
 YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E3 - TRAY

○——— 51 +52° BETA ANGLE  
□----- 51 0° BETA ANGLE  
◊——— 51 -52° BETA ANGLE

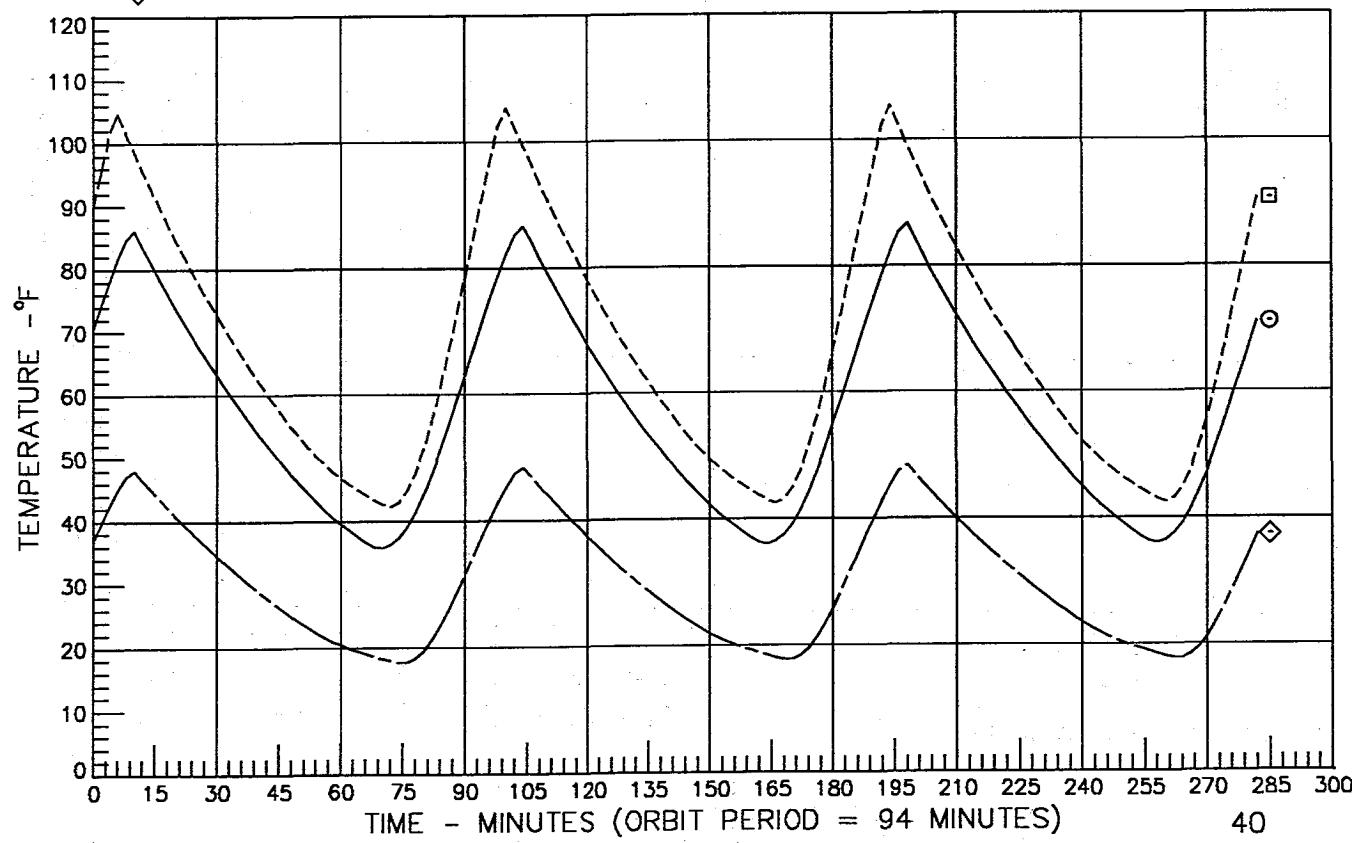
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E3 - SURFACE

○——— 141 +52° BETA ANGLE  
□——— 141 0° BETA ANGLE  
◇——— 141 -52° BETA ANGLE

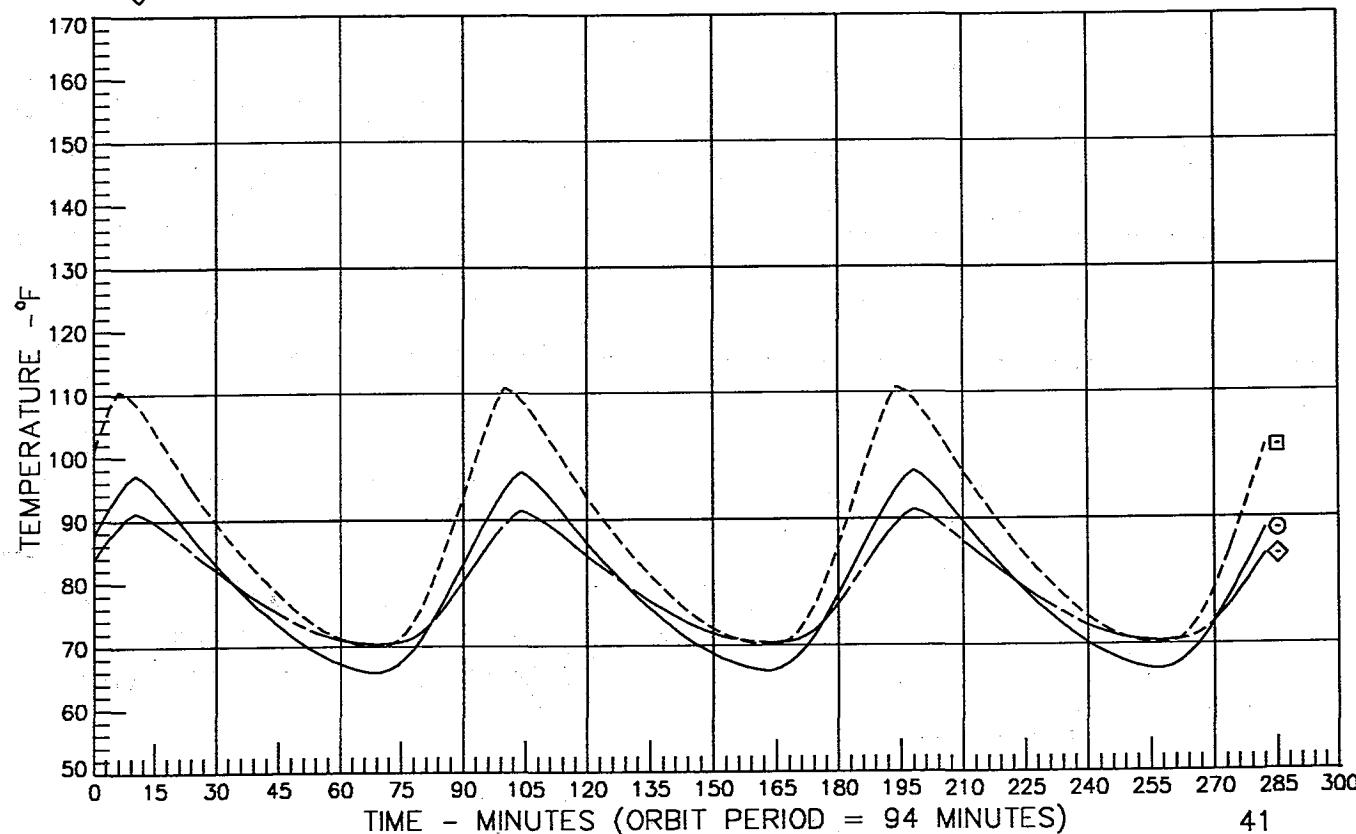
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: F3 - TRAY

○——— 63 +52° BETA ANGLE  
□----- 63 0° BETA ANGLE  
◇----- 63 -52° BETA ANGLE

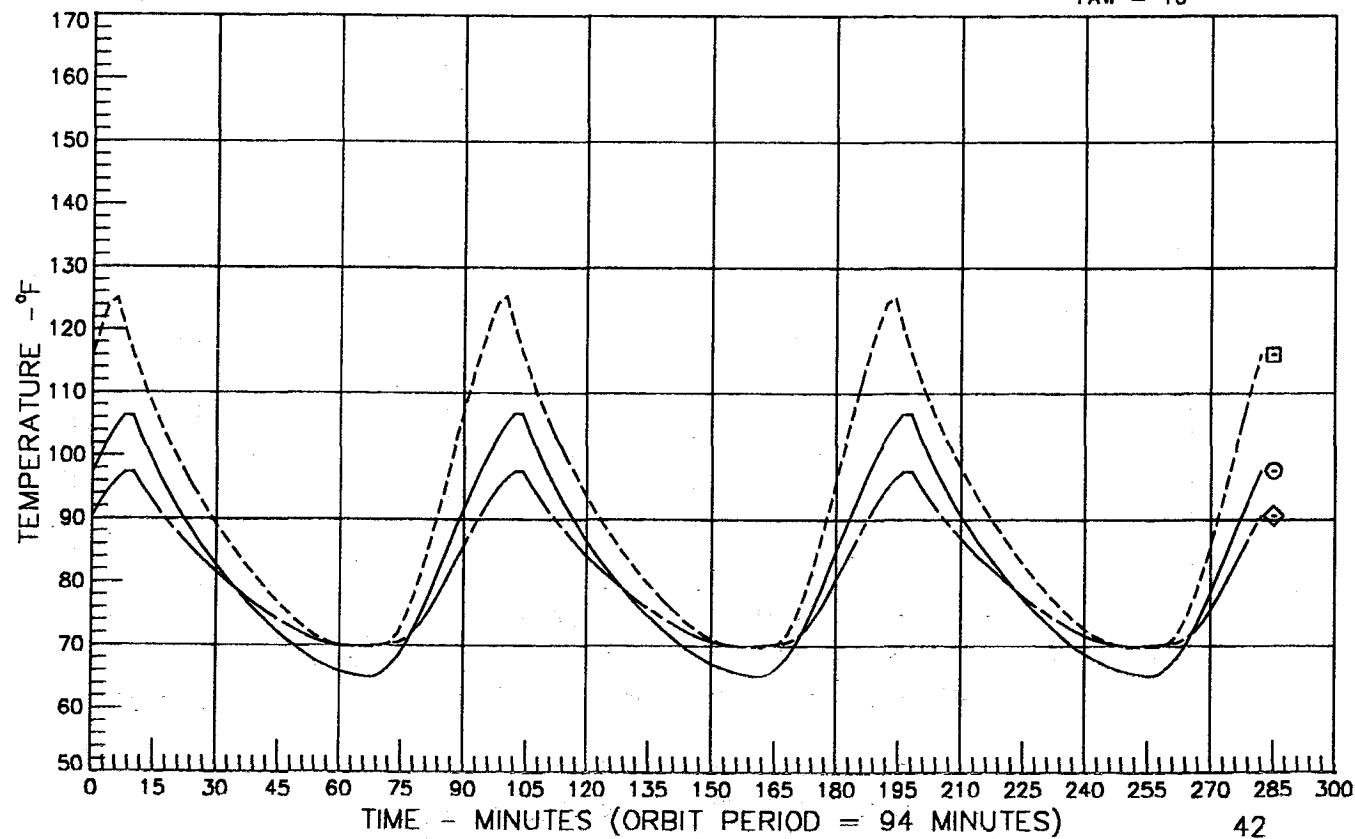
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: F3 - SURFACE

○——— 153 +52° BETA ANGLE  
□----- 153 0° BETA ANGLE  
◊----- 153 -52° BETA ANGLE

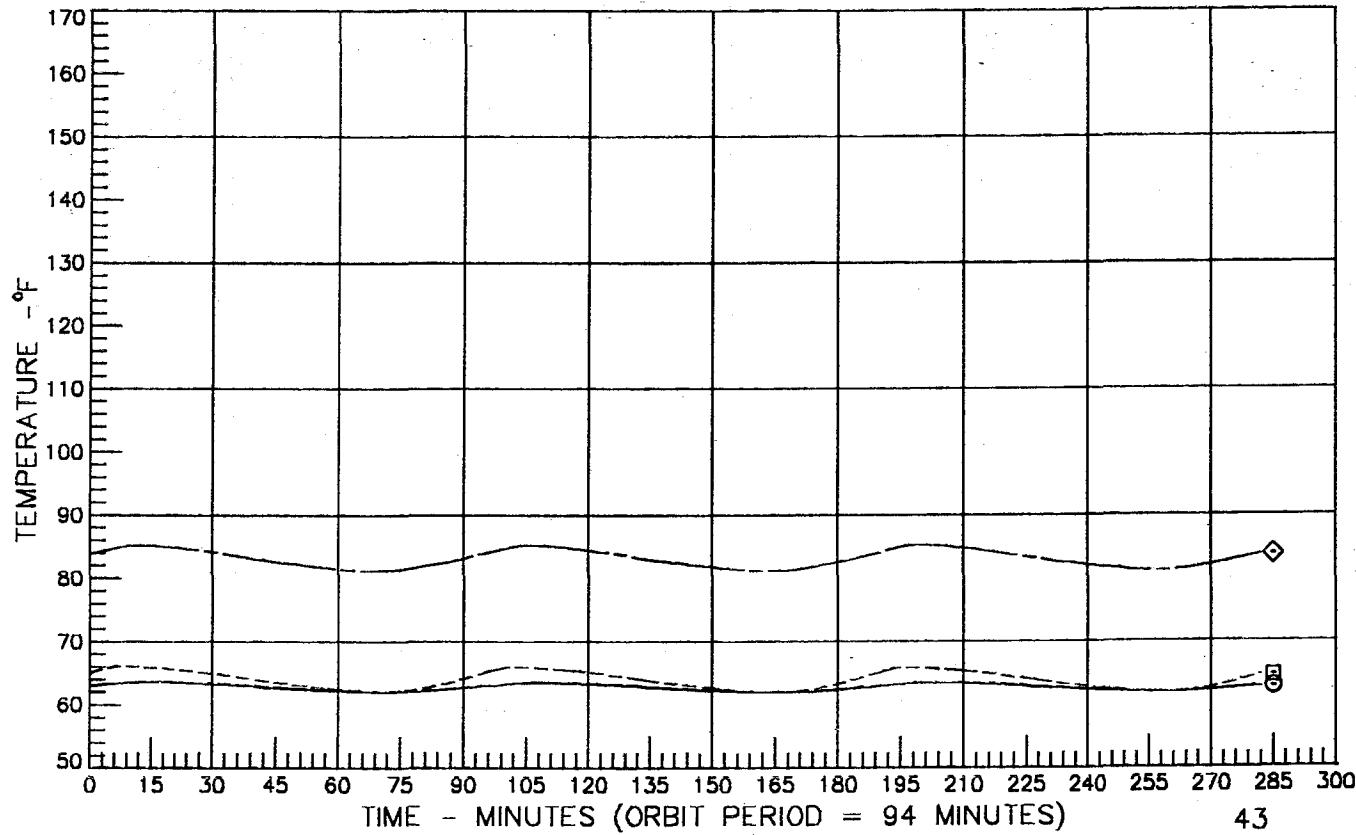
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A4 - TRAY

○ ————— 4 +52° BETA ANGLE  
□ ————— 4 0° BETA ANGLE  
◊ ————— 4 -52° BETA ANGLE

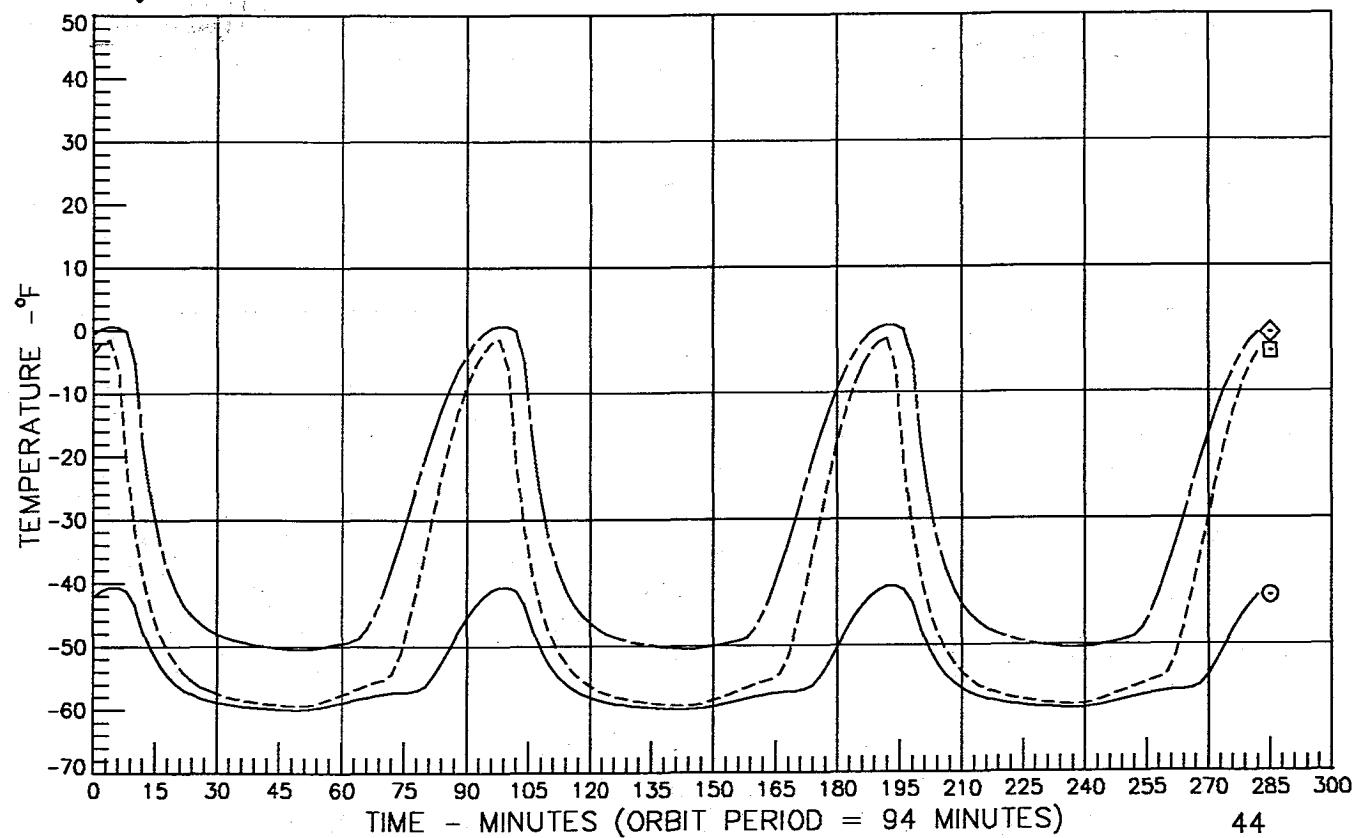
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A4 - SURFACE

○— 94 +52° BETA ANGLE  
□— 94 0° BETA ANGLE  
◇— 94 -52° BETA ANGLE

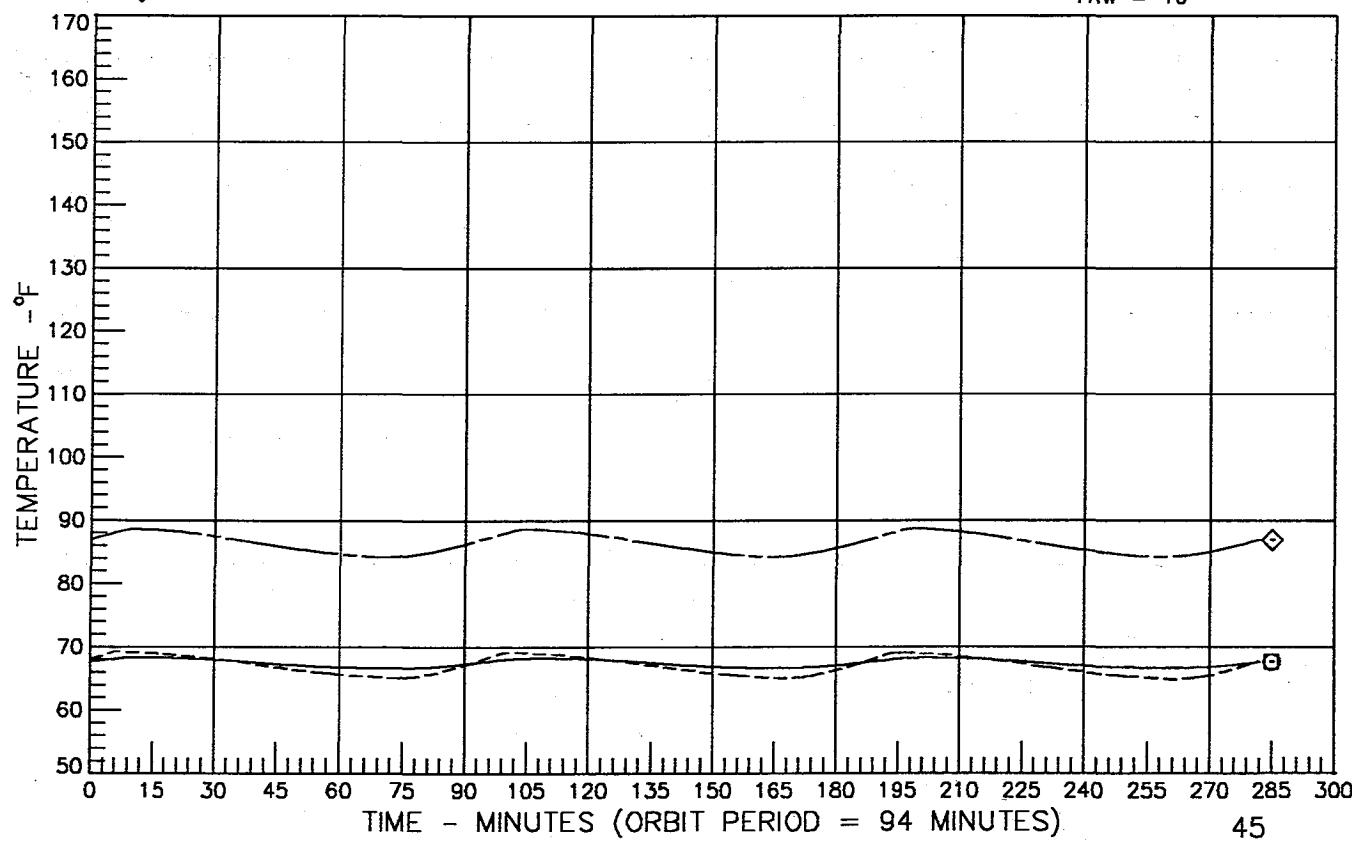
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B4 - TRAY

○ ----- 16 +52° BETA ANGLE  
□ ----- 16 0° BETA ANGLE  
◊ ----- 16 -52° BETA ANGLE

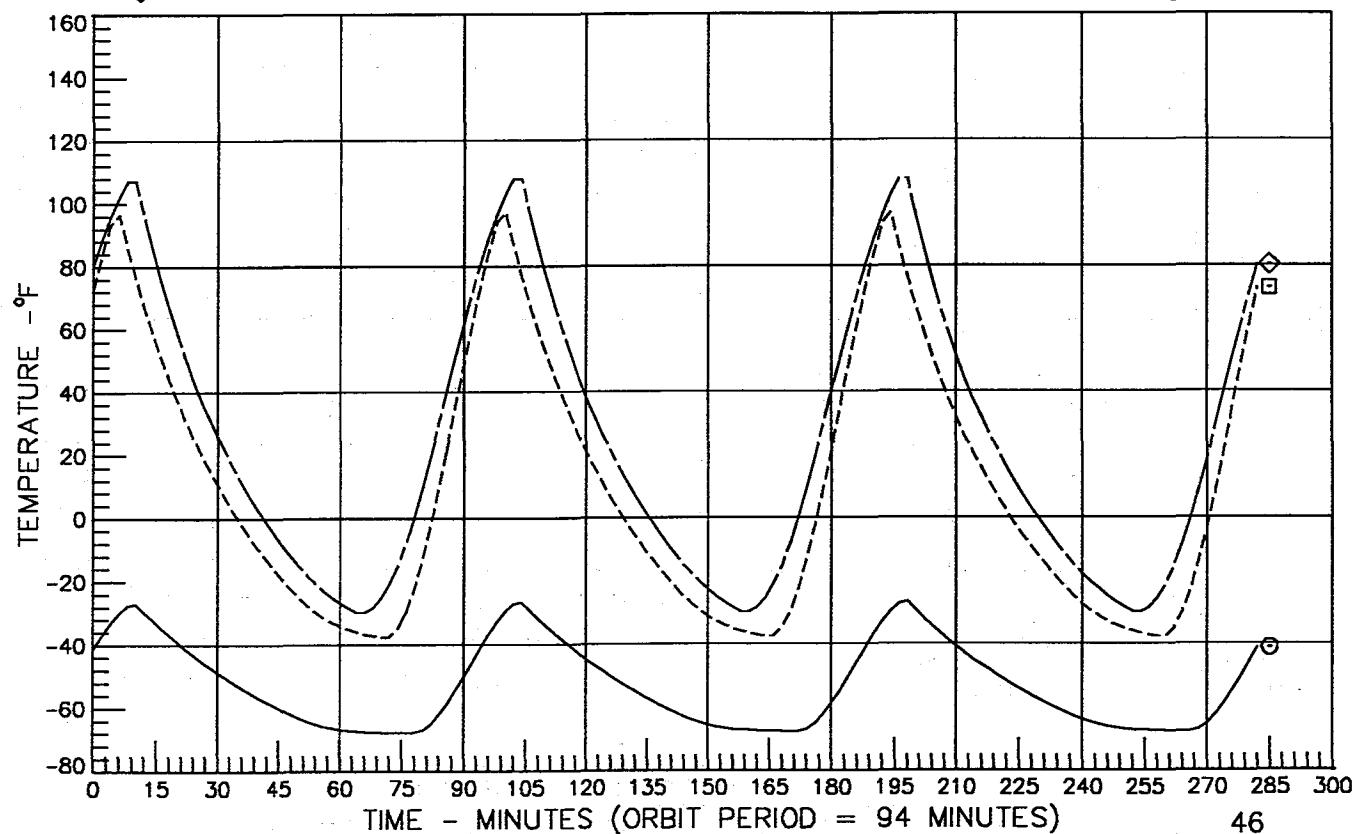
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B4 - SURFACE

○——— 106 +52° BETA ANGLE  
□----- 106 0° BETA ANGLE  
◇----- 106 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C4 - TRAY

○----- 28 +52° BETA ANGLE

◻----- 28 0° BETA ANGLE

◇----- 28 -52° BETA ANGLE

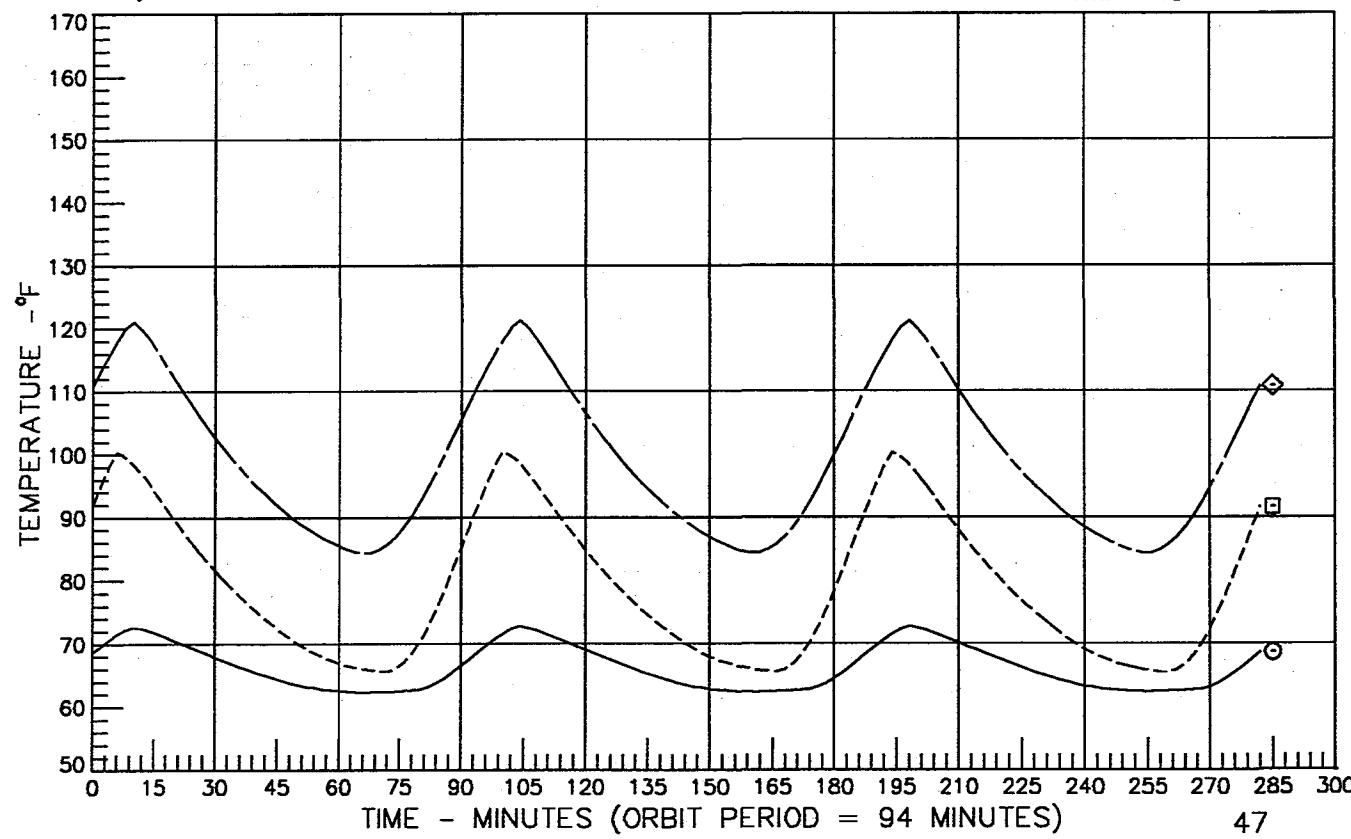
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

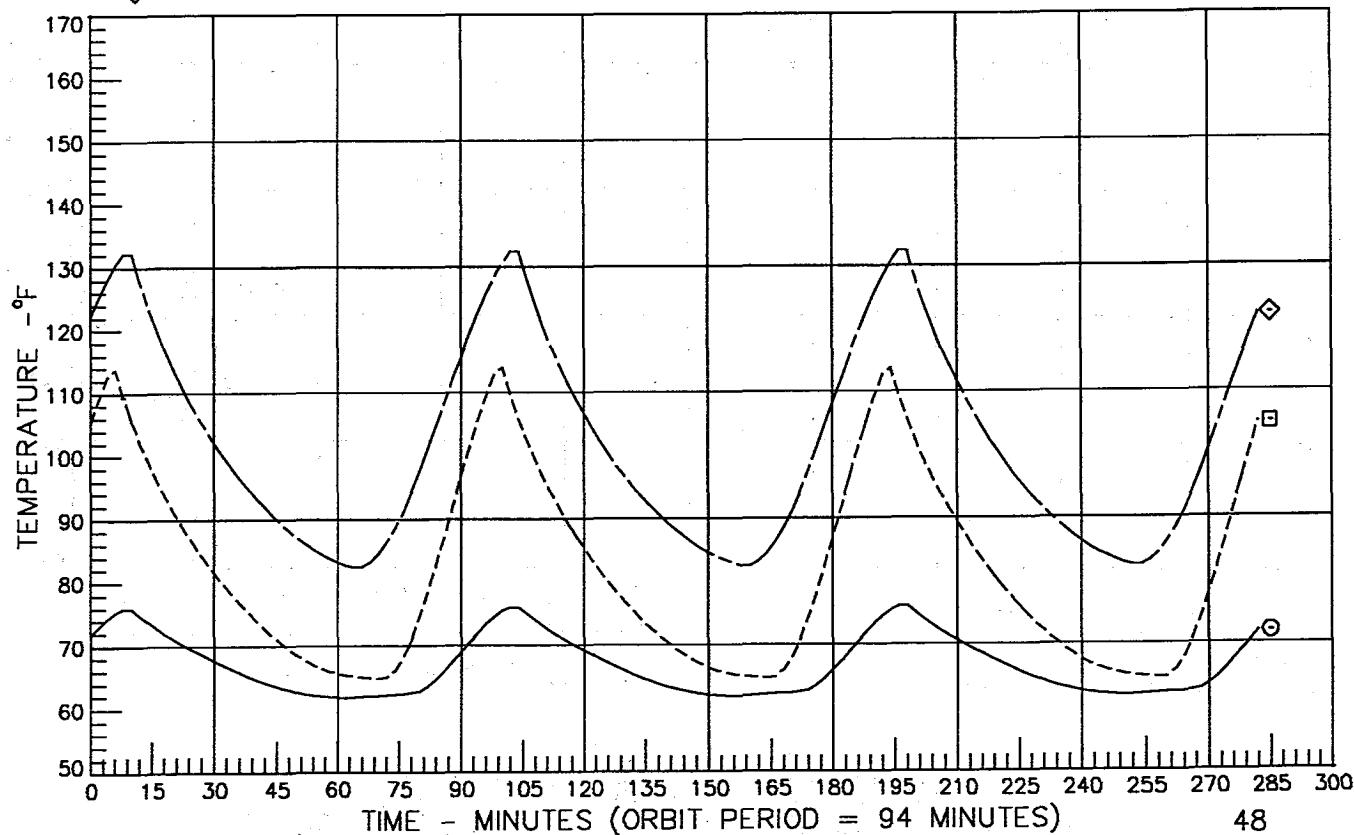
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C4 - SURFACE

○ ————— 118 +52° BETA ANGLE  
□ ----- 118 0° BETA ANGLE  
◇ ----- 118 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D4 - TRAY

○----- 40 +52° BETA ANGLE

□----- 40 0° BETA ANGLE

◊----- 40 -52° BETA ANGLE

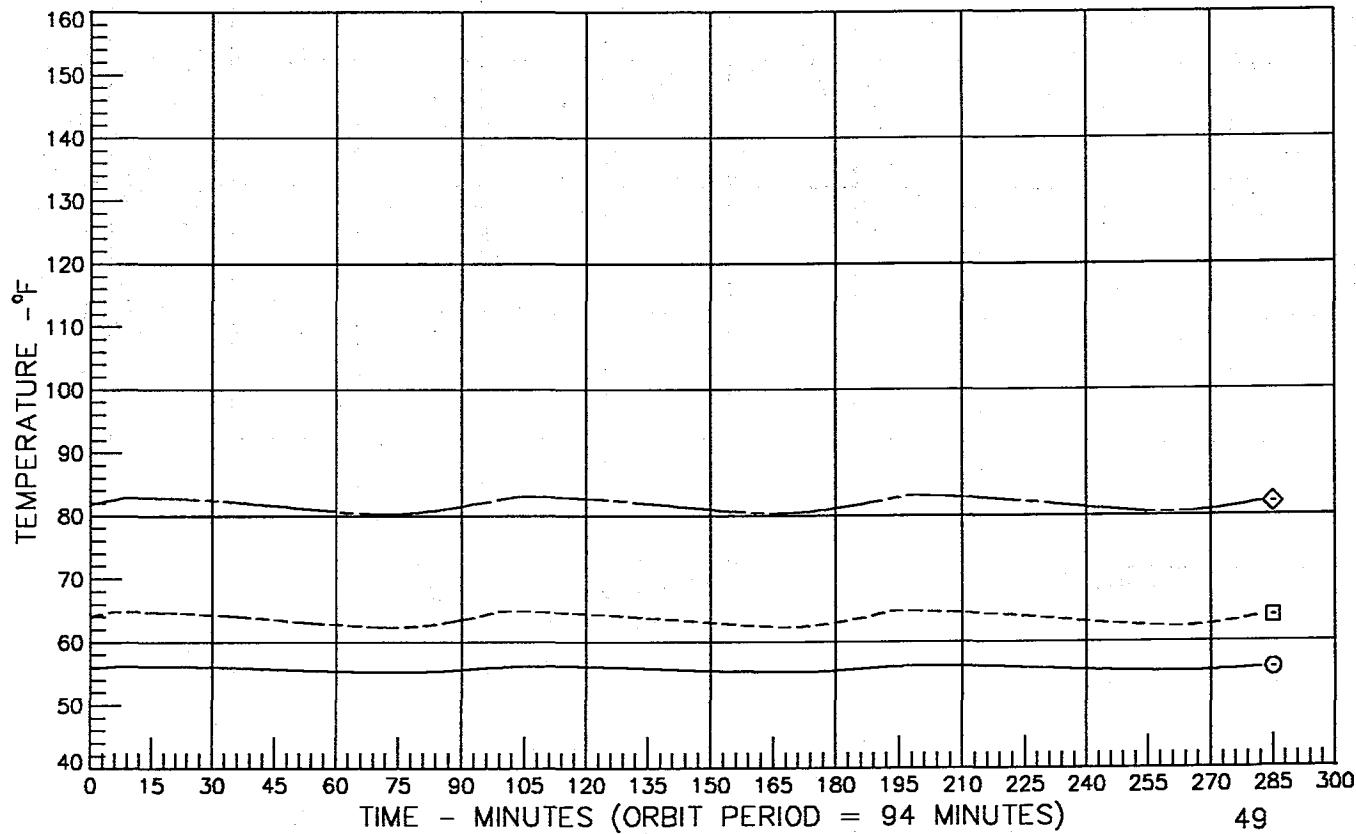
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

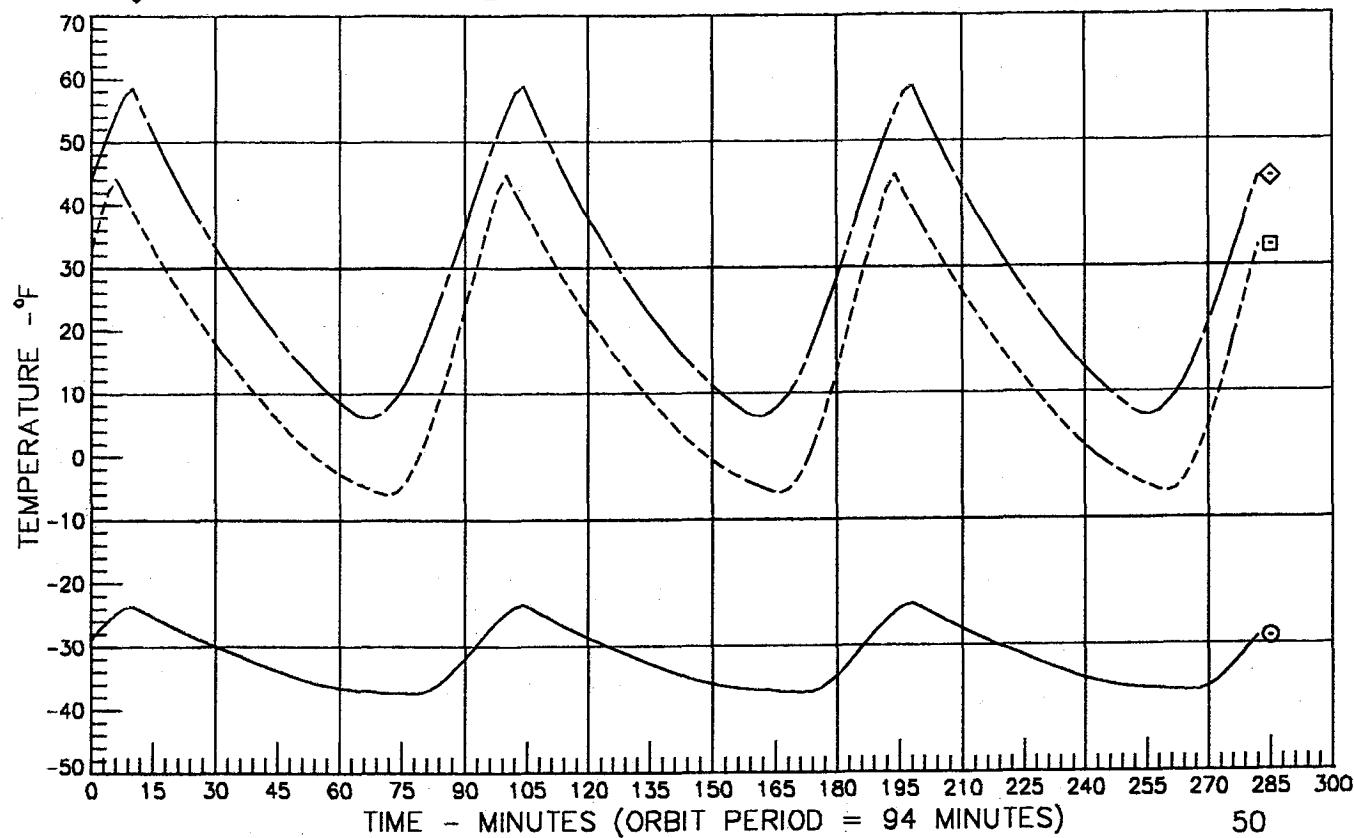
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D4 - SURFACE

○——— 130 +52° BETA ANGLE  
□----- 130 0° BETA ANGLE  
◊----- 130 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E4 - TRAY

○----- 52 +52° BETA ANGLE

□----- 52 0° BETA ANGLE

◊----- 52 -52° BETA ANGLE

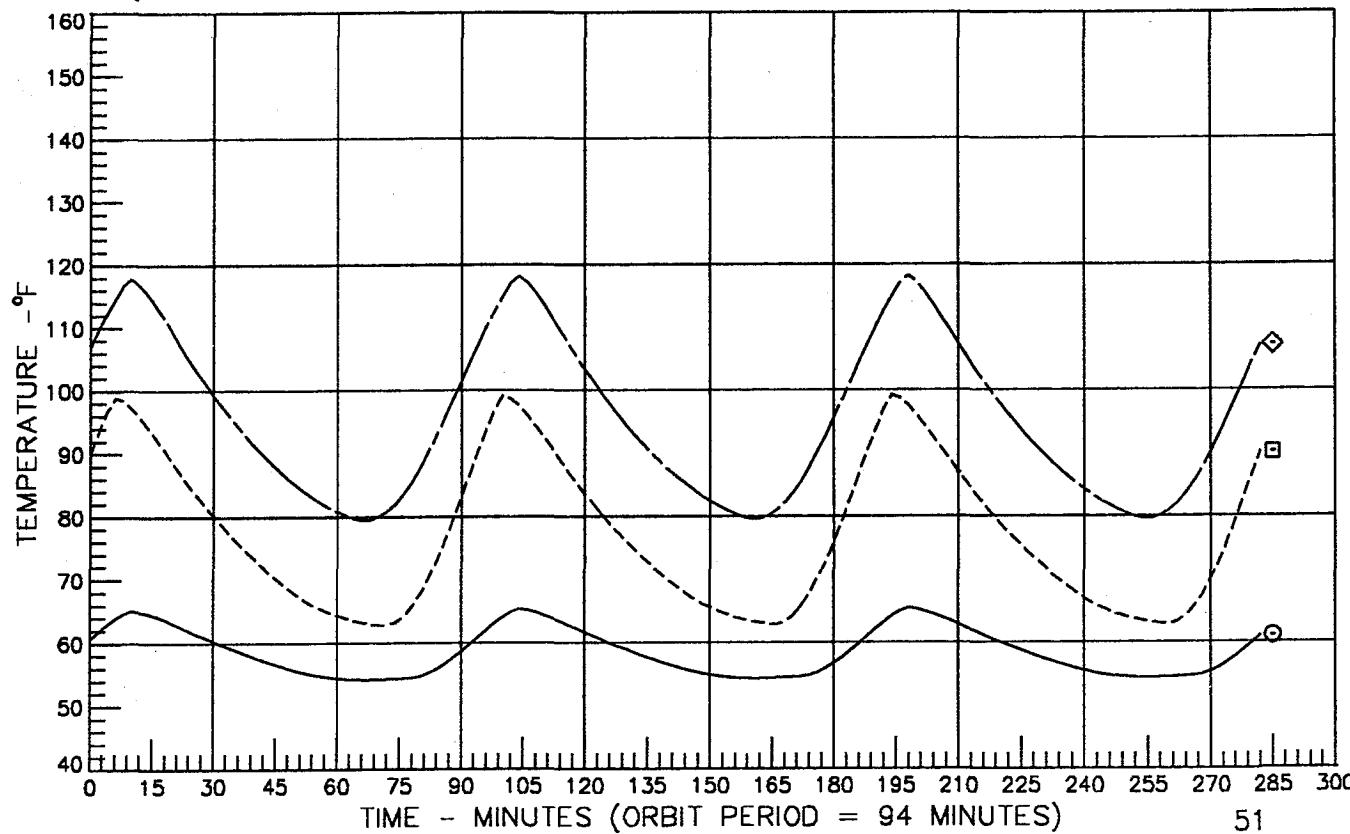
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

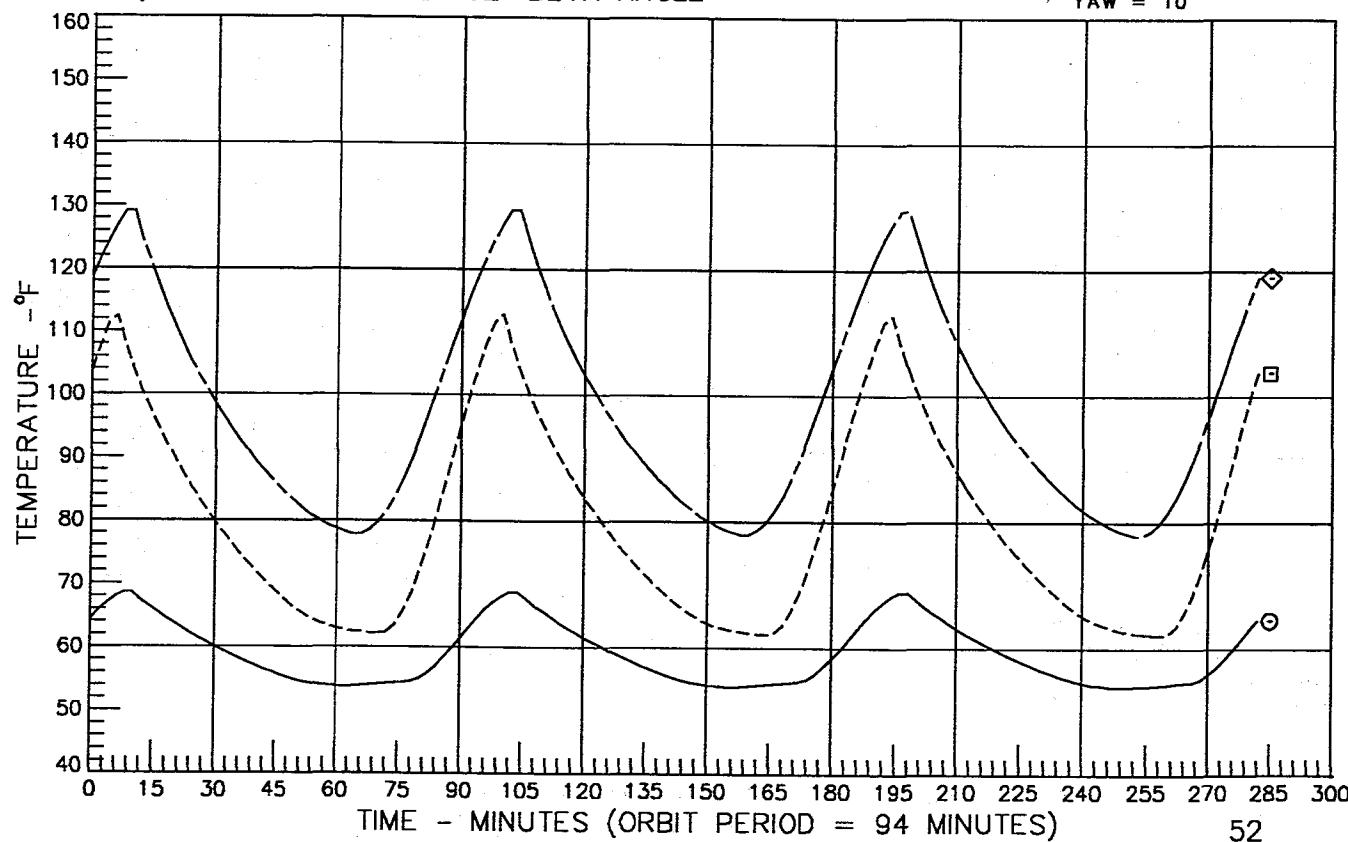
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E4 - SURFACE

○——— 142 +52° BETA ANGLE  
□----- 142 0° BETA ANGLE  
◇——— 142 -52° BETA ANGLE

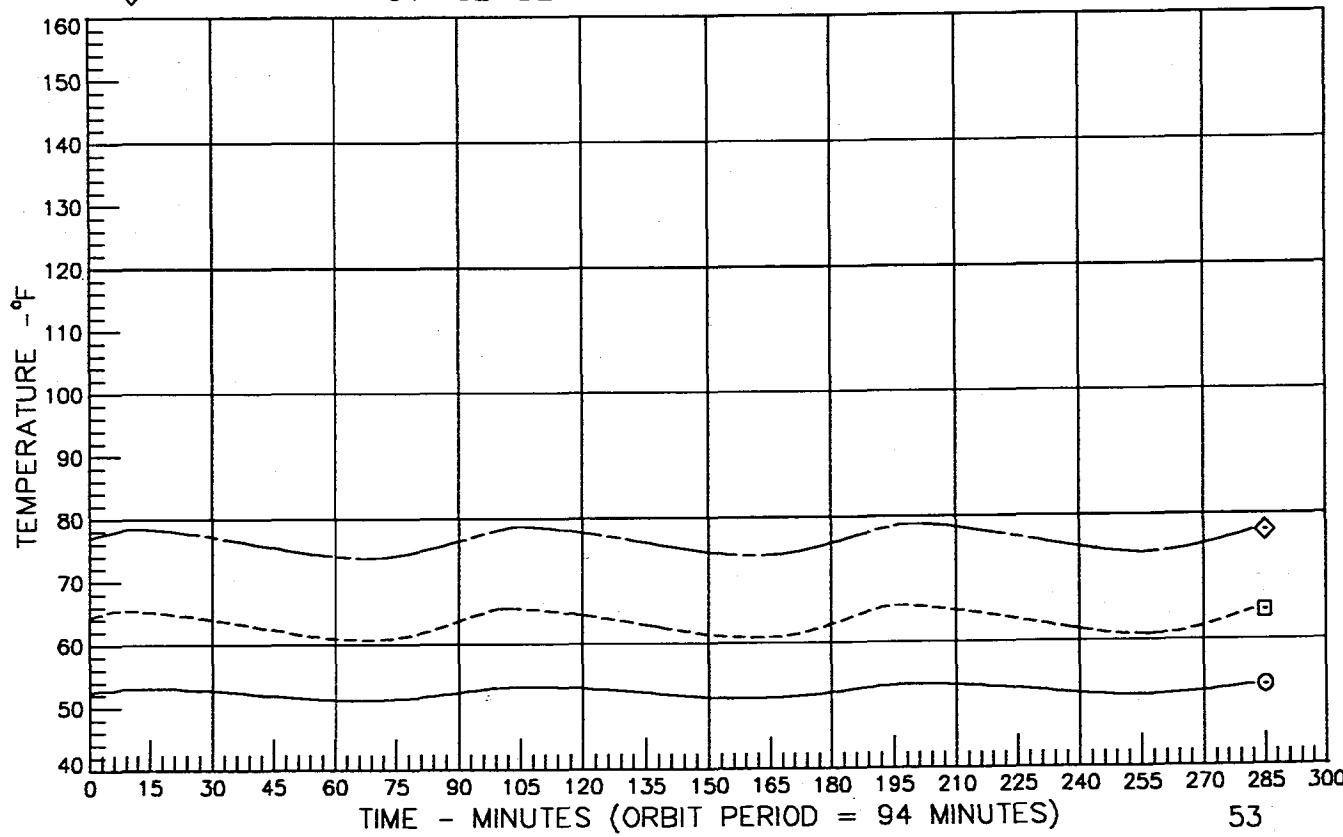
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



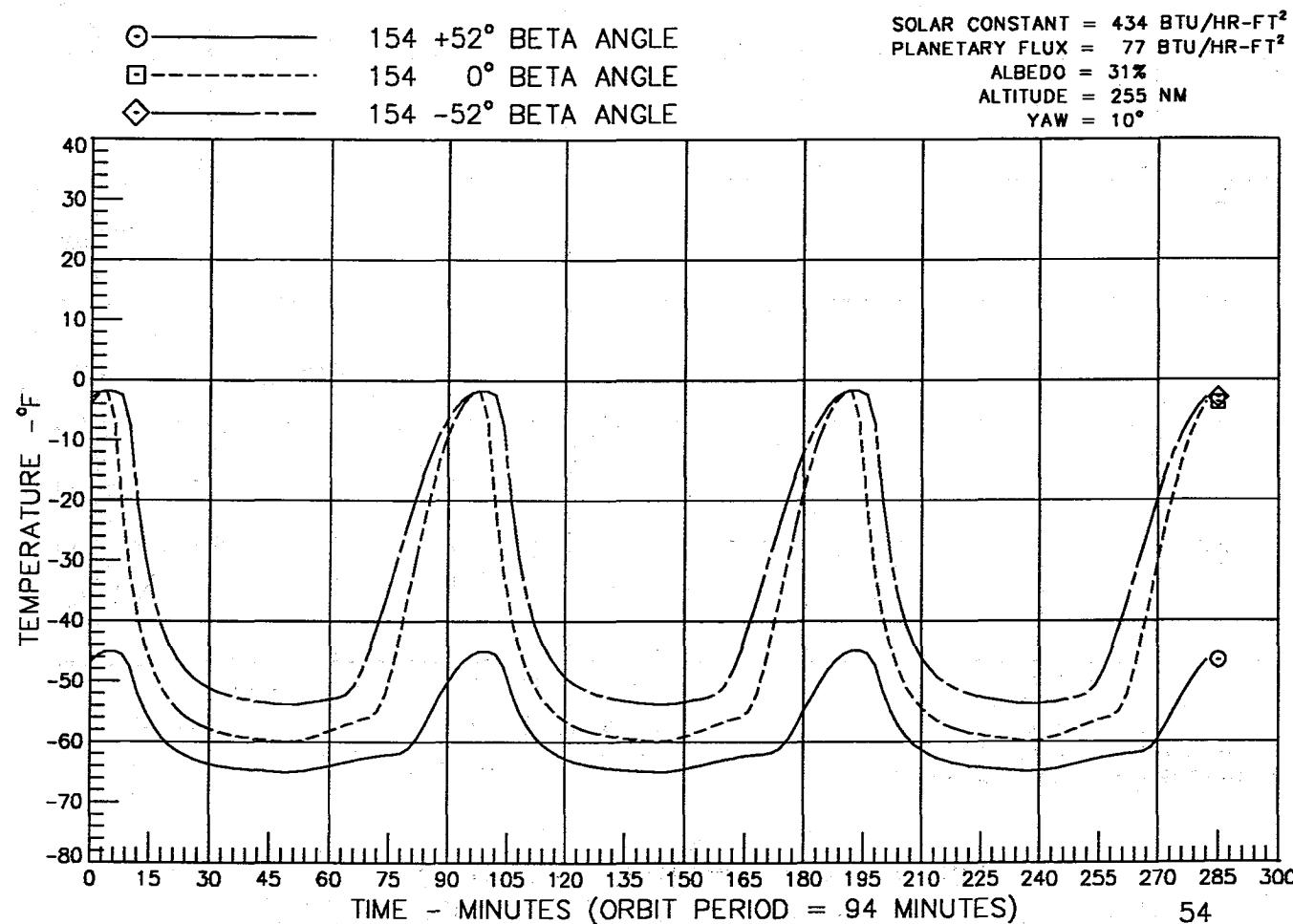
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: F4 - TRAY

○——— 64 +52° BETA ANGLE  
□----- 64 0° BETA ANGLE  
◊----- 64 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: F4 - SURFACE



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A5 - TRAY

○ -----

5 +52° BETA ANGLE

□ -----

5 0° BETA ANGLE

◇ -----

5 -52° BETA ANGLE

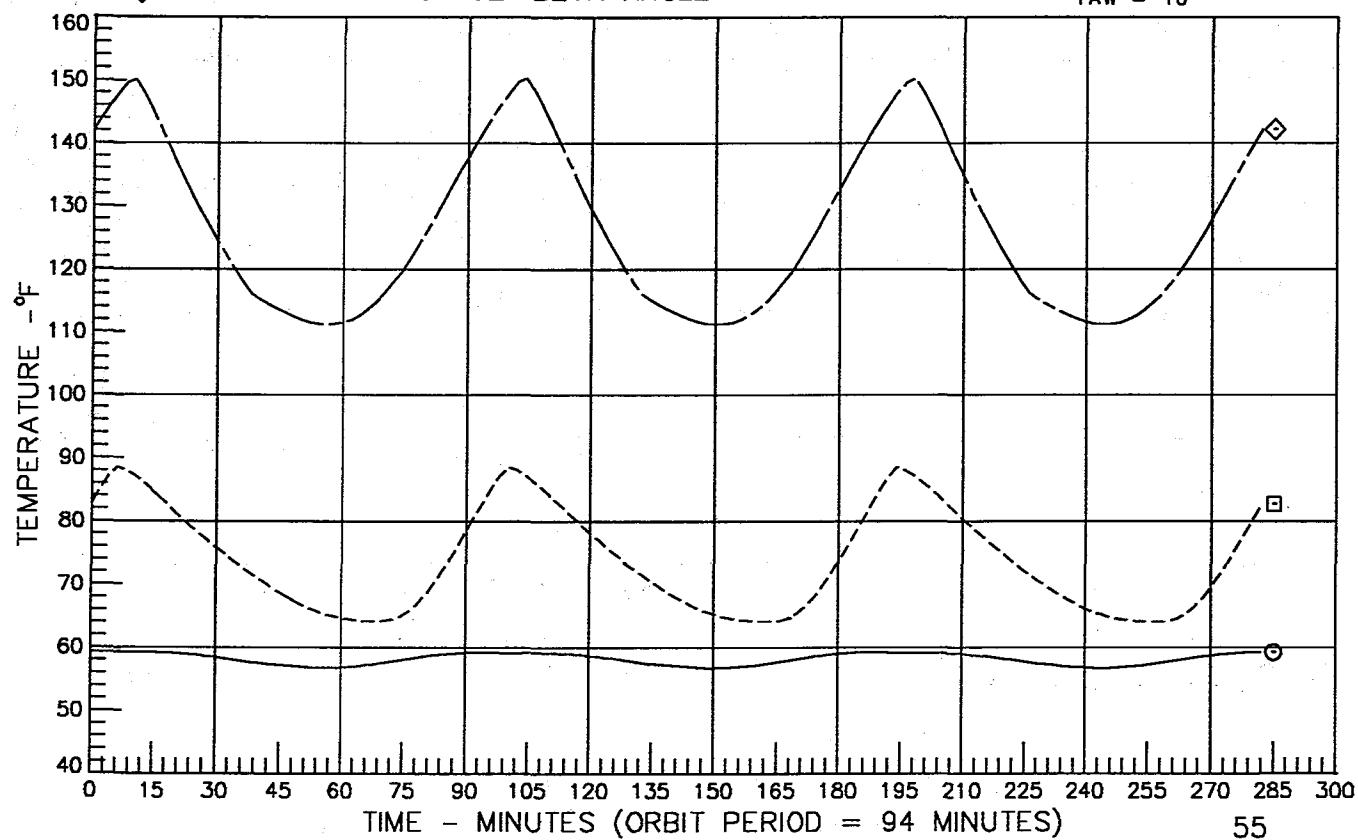
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

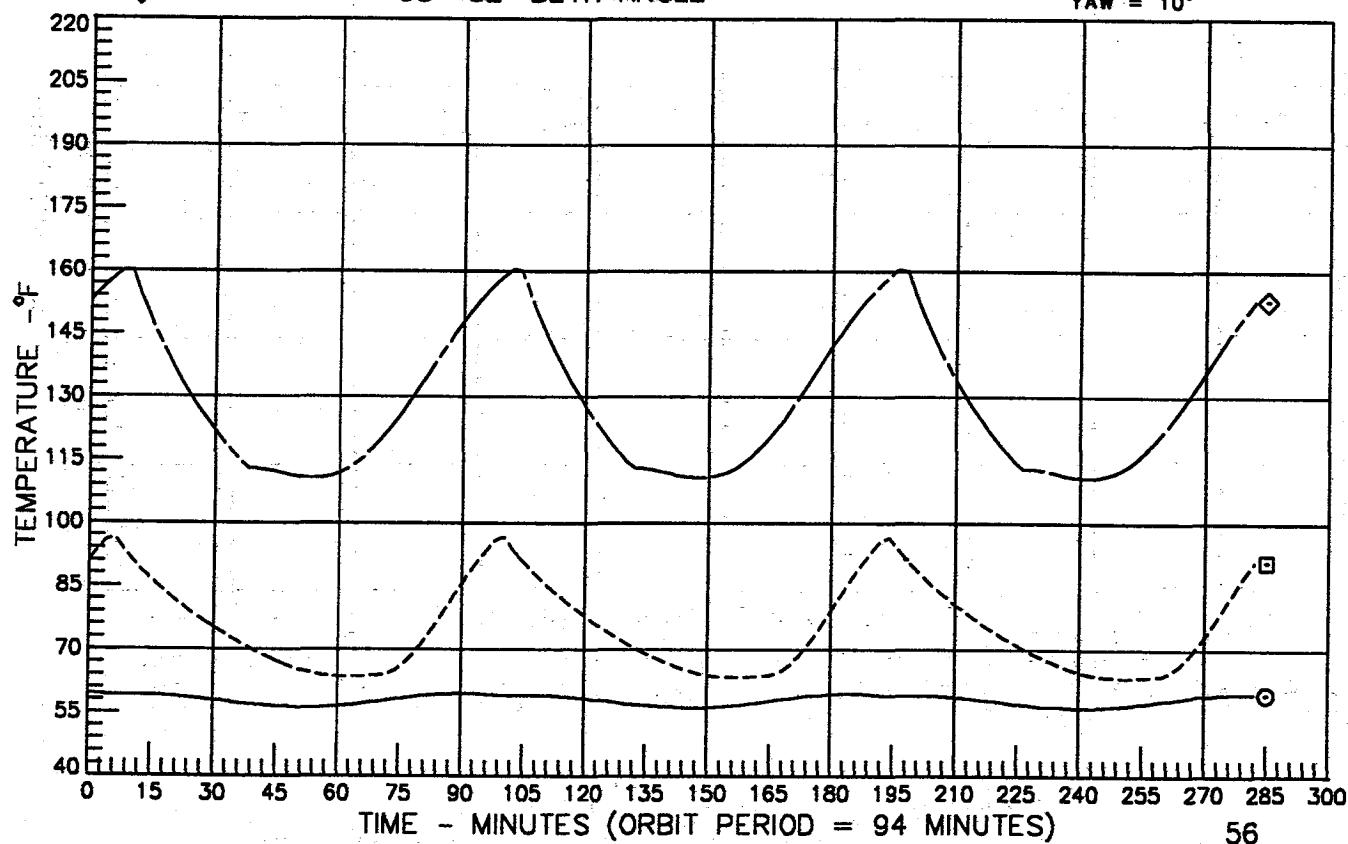
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A5 - SURFACE

- ————— 95 +52° BETA ANGLE
- ----- 95 0° BETA ANGLE
- ◊ ----- 95 -52° BETA ANGLE

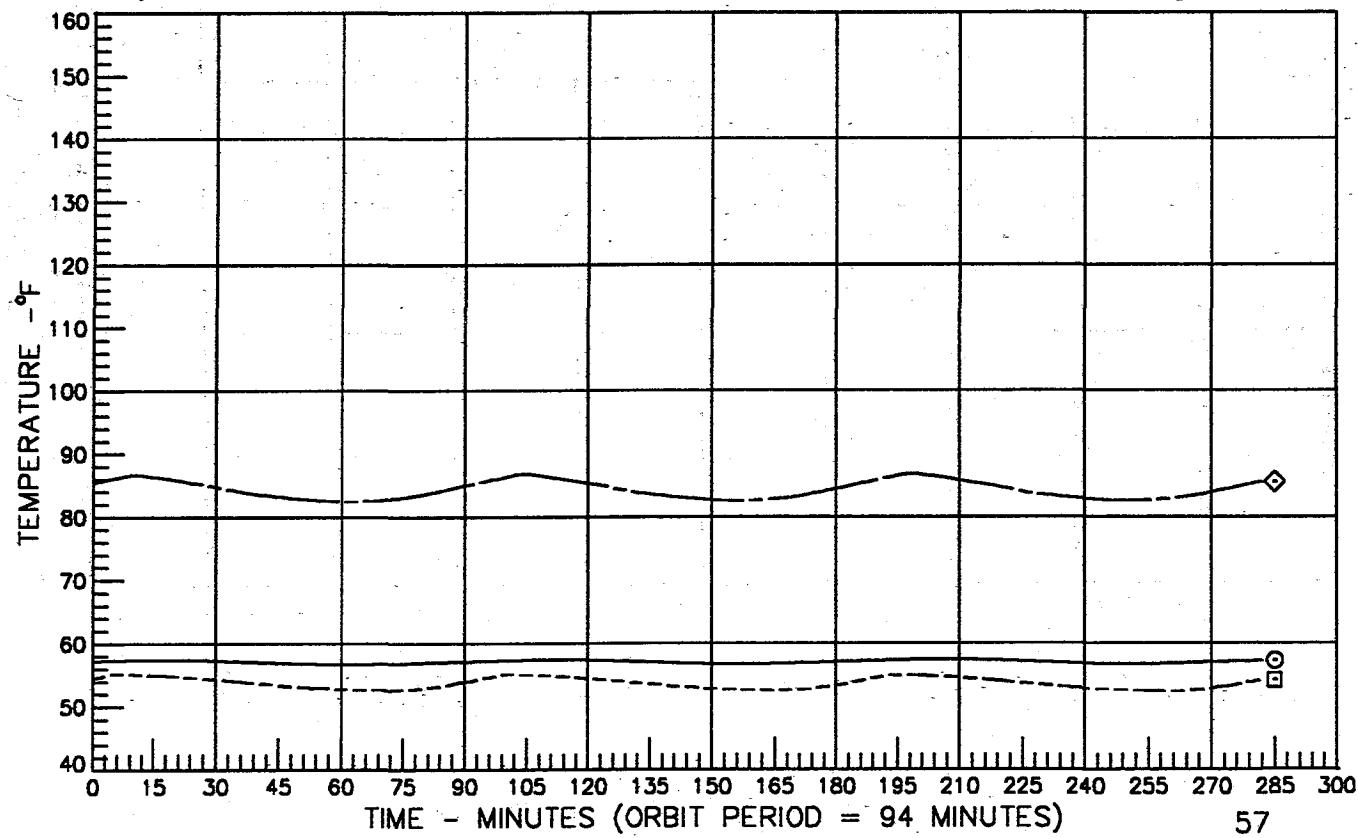
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B5 - TRAY

○——— 17 +52° BETA ANGLE  
□----- 17 0° BETA ANGLE  
◊----- 17 -52° BETA ANGLE

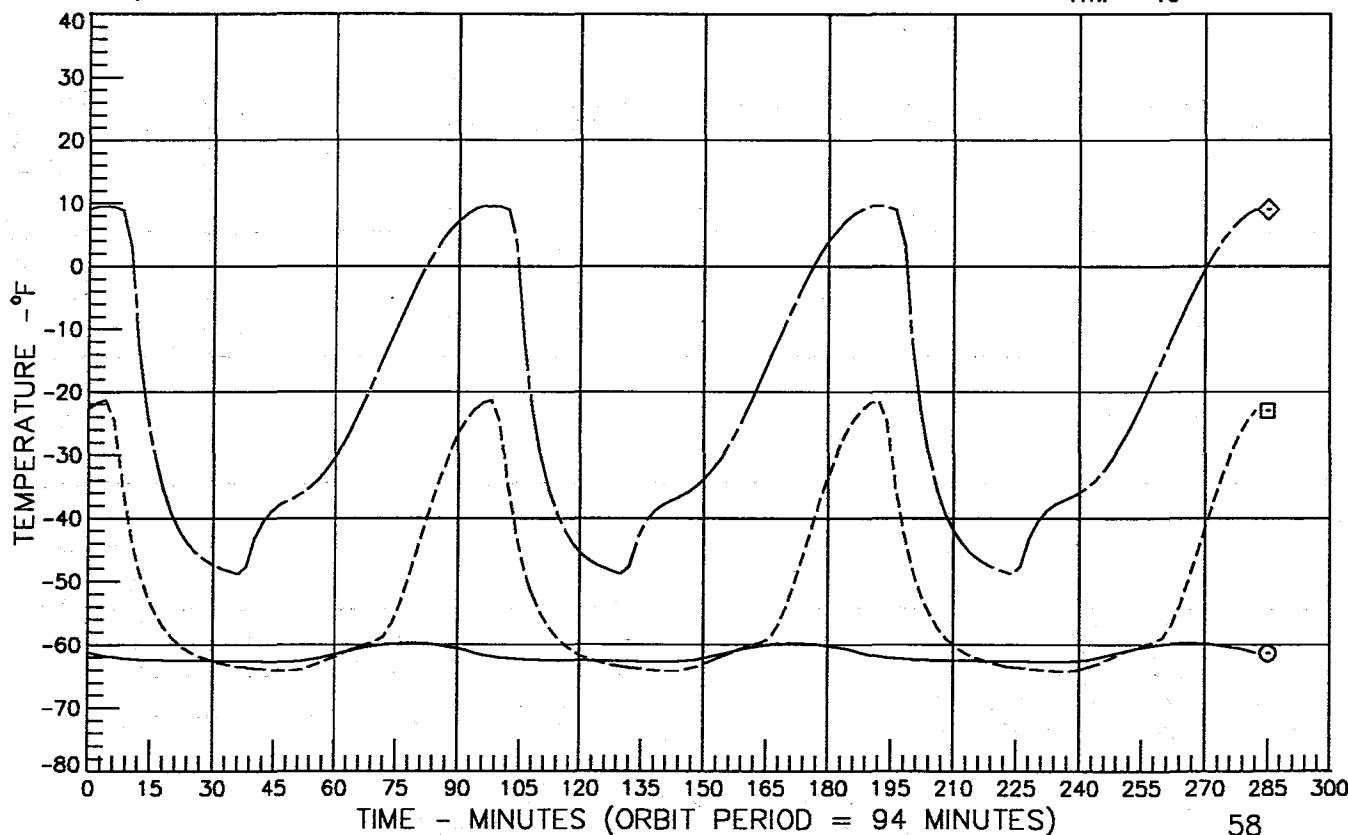
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B5 - SURFACE

○——— 107 +52° BETA ANGLE  
□——— 107 0° BETA ANGLE  
◊——— 107 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C5 - TRAY

○ -----

29 +52° BETA ANGLE

□ -----

29 0° BETA ANGLE

◇ -----

29 -52° BETA ANGLE

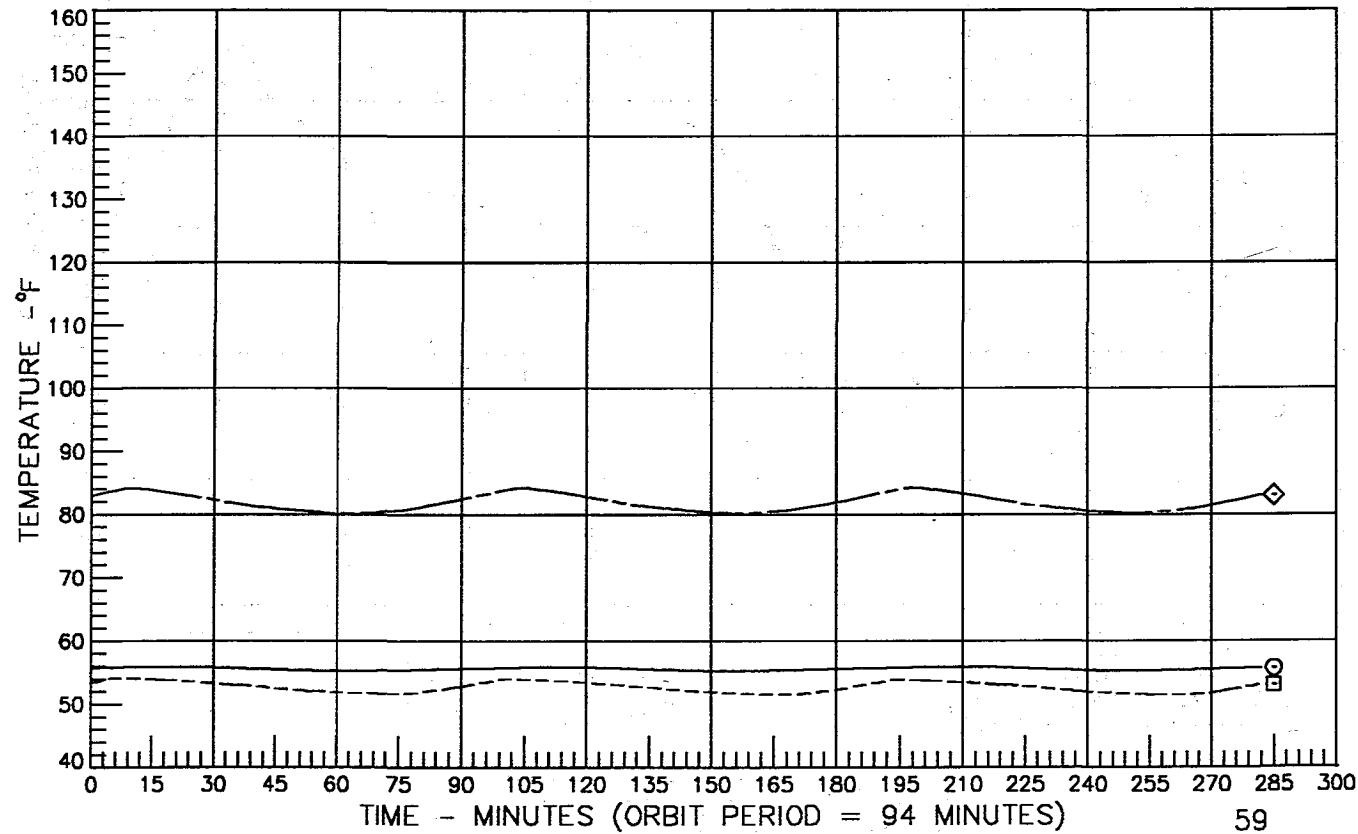
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

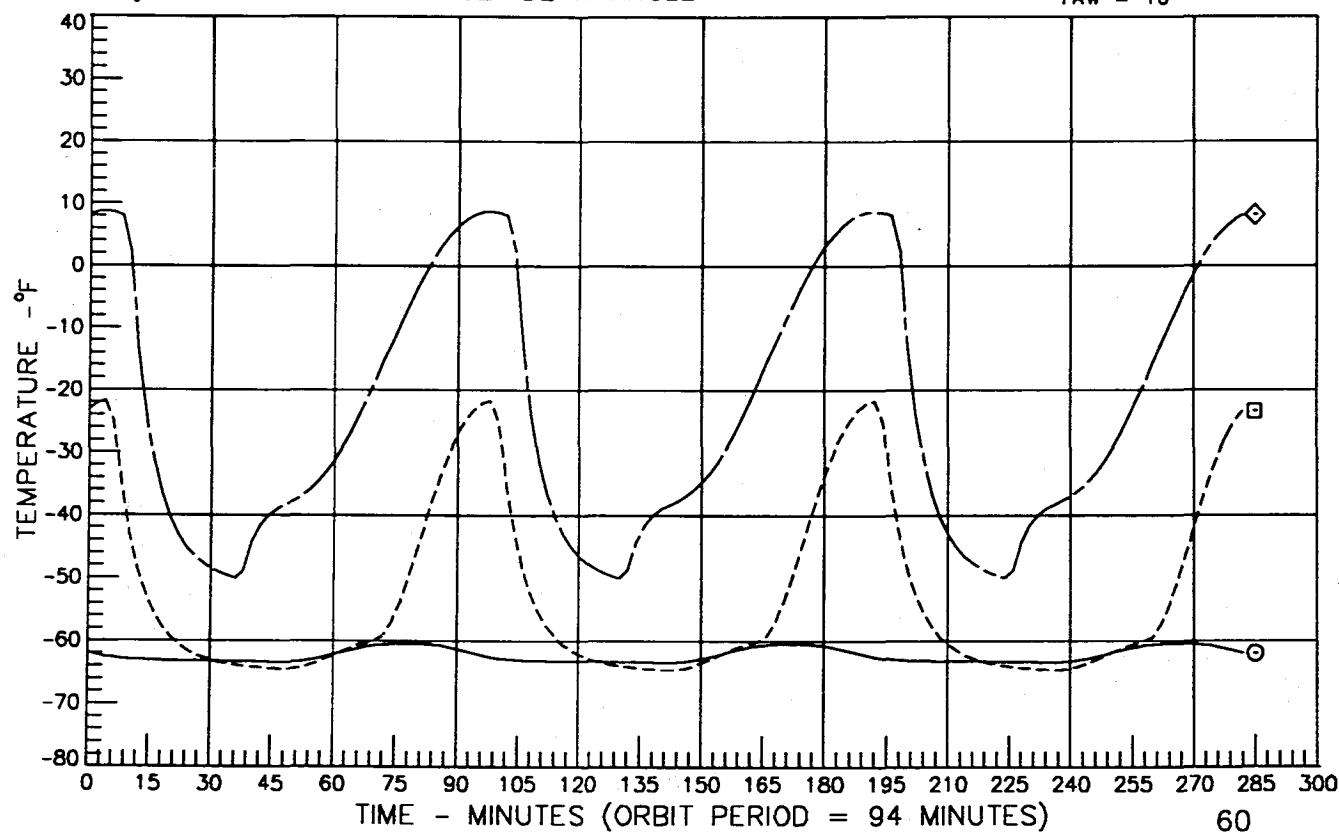
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C5 - SURFACE

○——— 119 +52° BETA ANGLE  
□----- 119 0° BETA ANGLE  
◊----- 119 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D5 - TRAY

○ —————

41 +52° BETA ANGLE

□ -----

41 0° BETA ANGLE

◊ —————

41 -52° BETA ANGLE

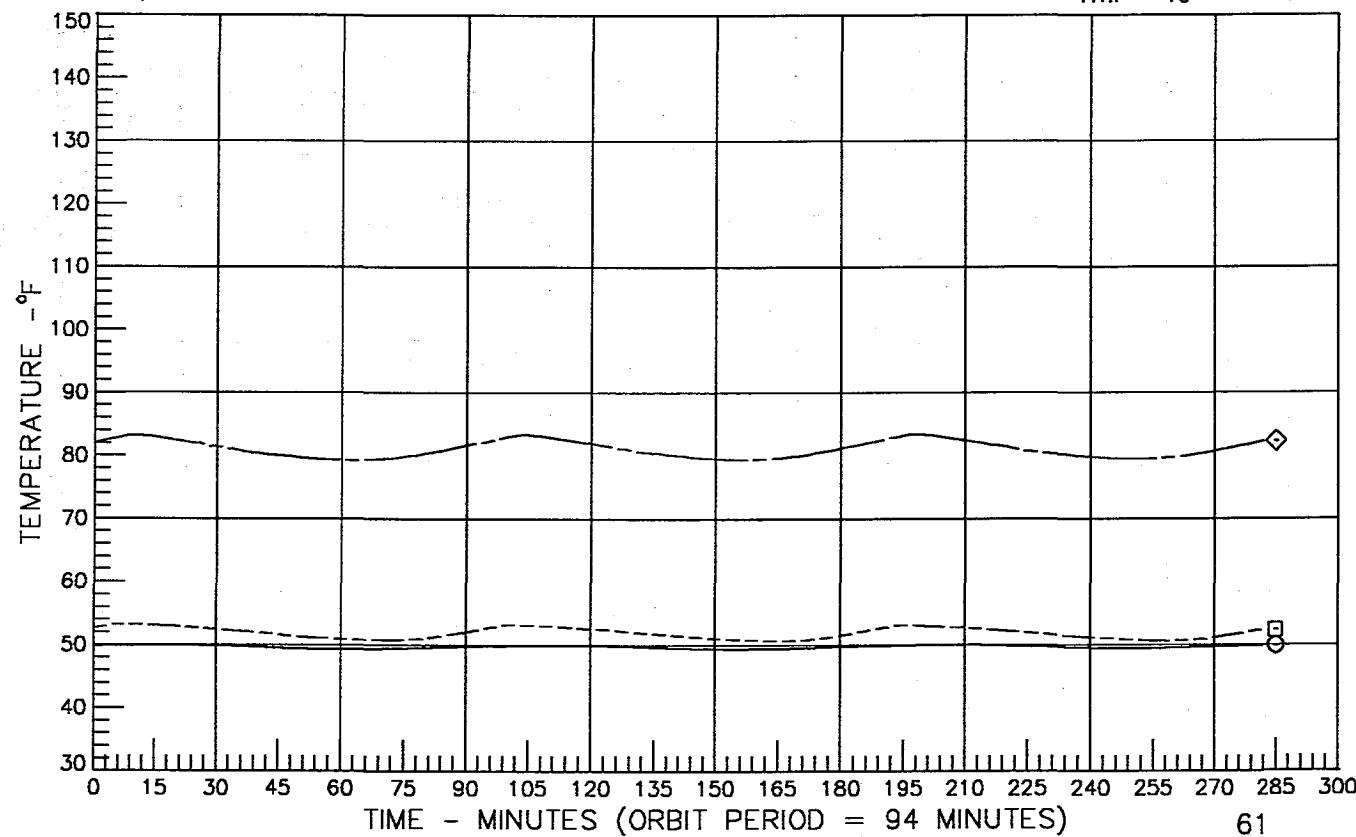
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

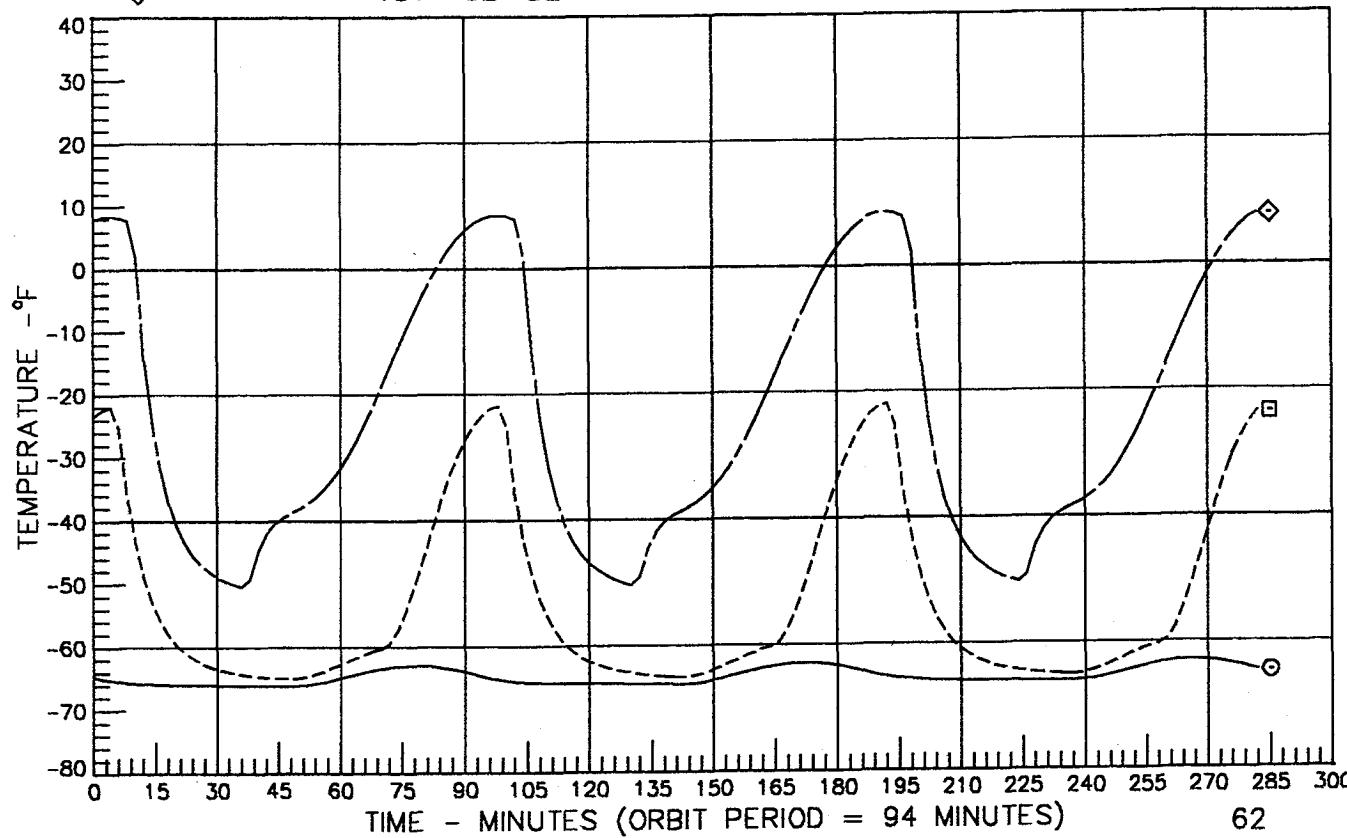
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D5 - SURFACE

○ ————— 131 +52° BETA ANGLE  
□ ----- 131 0° BETA ANGLE  
◊ ----- 131 -52° BETA ANGLE

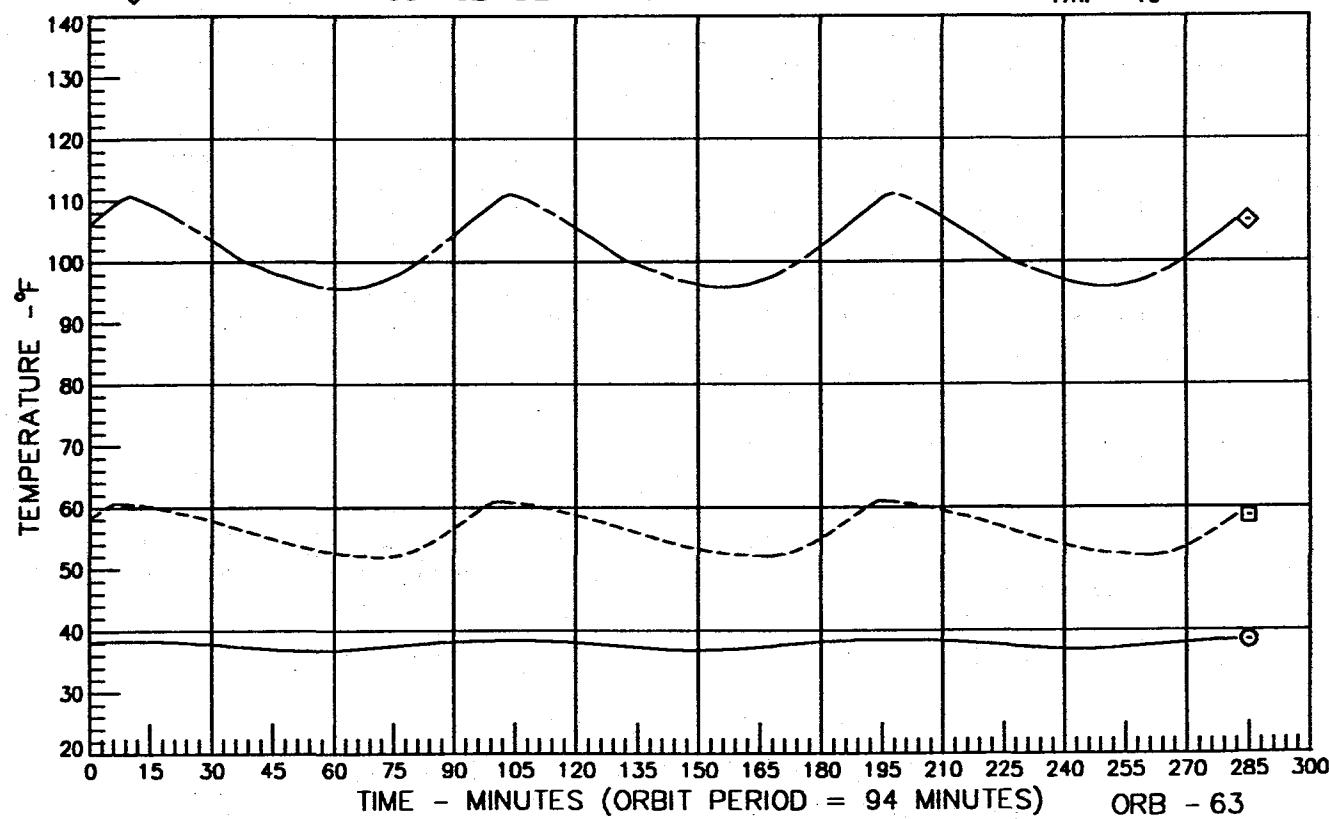
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E5 - TRAY

○ ————— 53 +52° BETA ANGLE  
□ ----- 53 0° BETA ANGLE  
◊ ————— 53 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E5 - SURFACE

○ —————

143 +52° BETA ANGLE

□ —————

143 0° BETA ANGLE

◇ —————

143 -52° BETA ANGLE

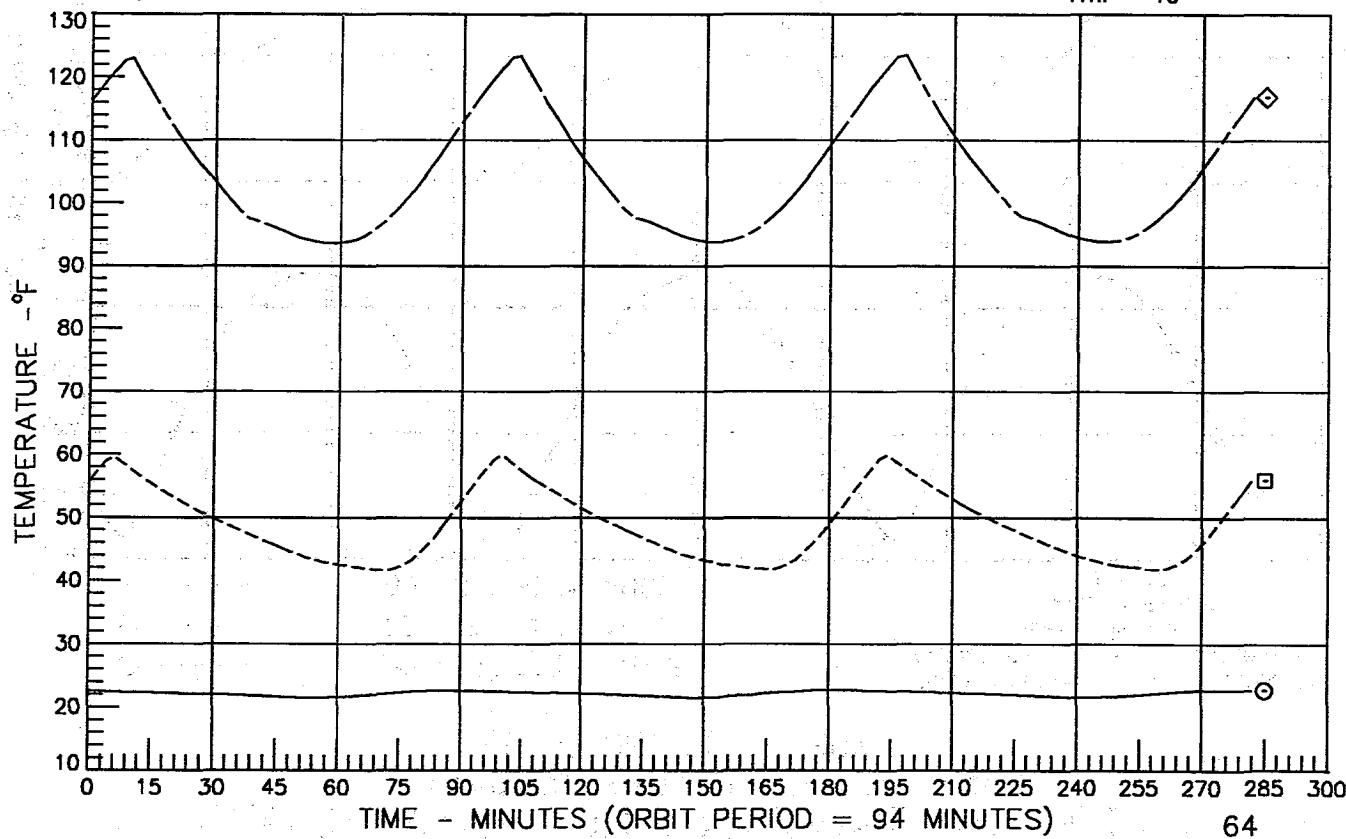
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: F5 - TRAY

○----- 65 +52° BETA ANGLE

□----- 65 0° BETA ANGLE

◊----- 65 -52° BETA ANGLE

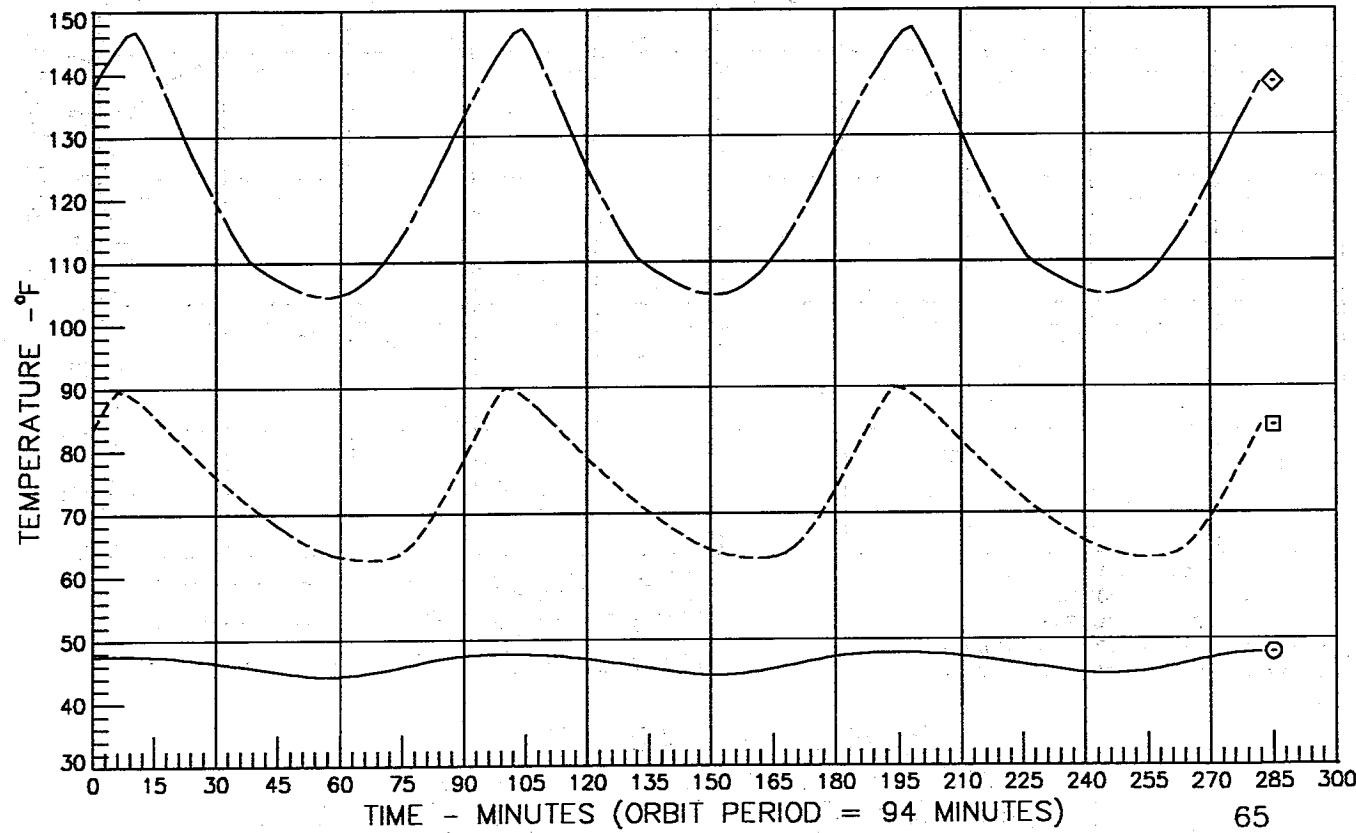
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

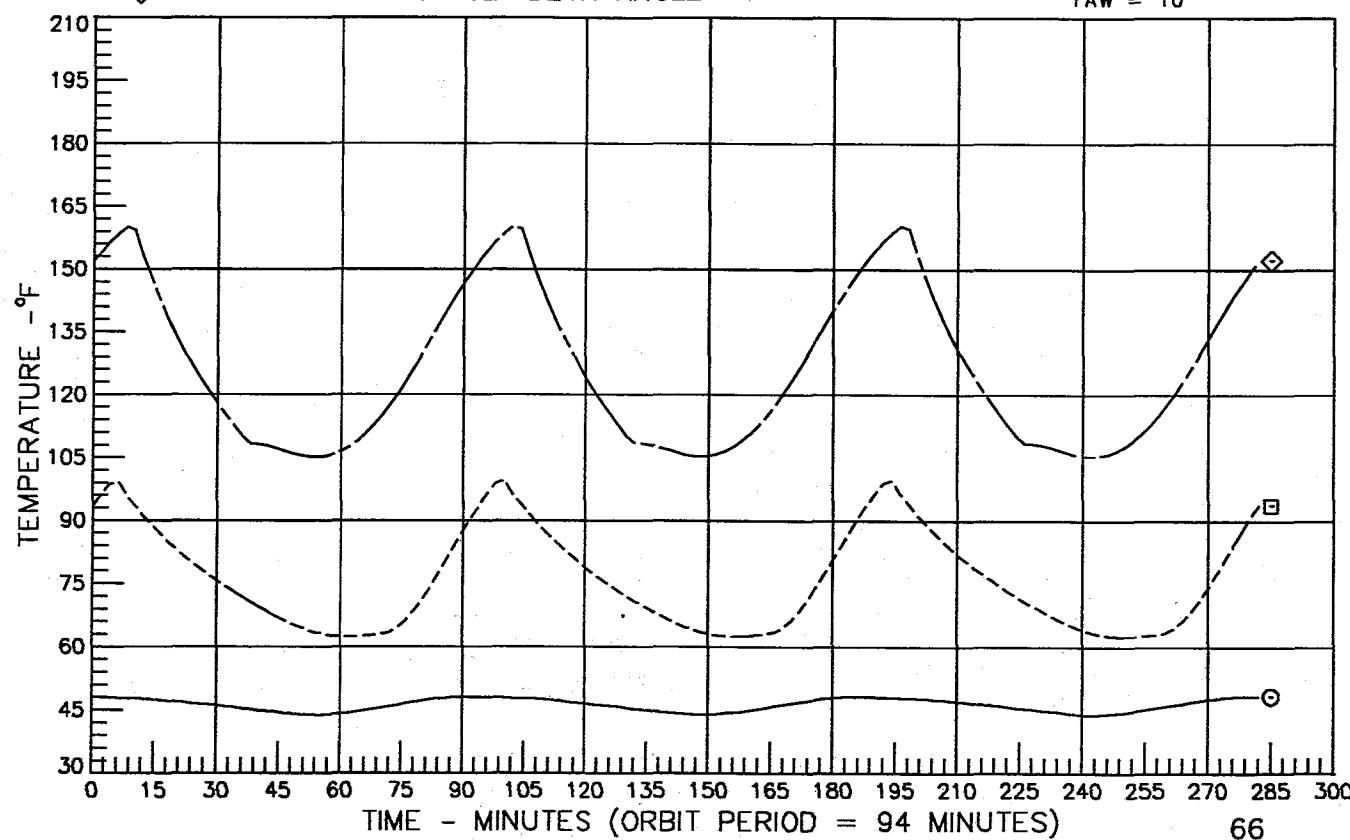
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: F5 - SURFACE

○——— 155 +52° BETA ANGLE  
□----- 155 0° BETA ANGLE  
◇----- 155 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A6 - TRAY

○ ————— 6 +52° BETA ANGLE

□ ----- 6 0° BETA ANGLE

◊ ————— 6 -52° BETA ANGLE

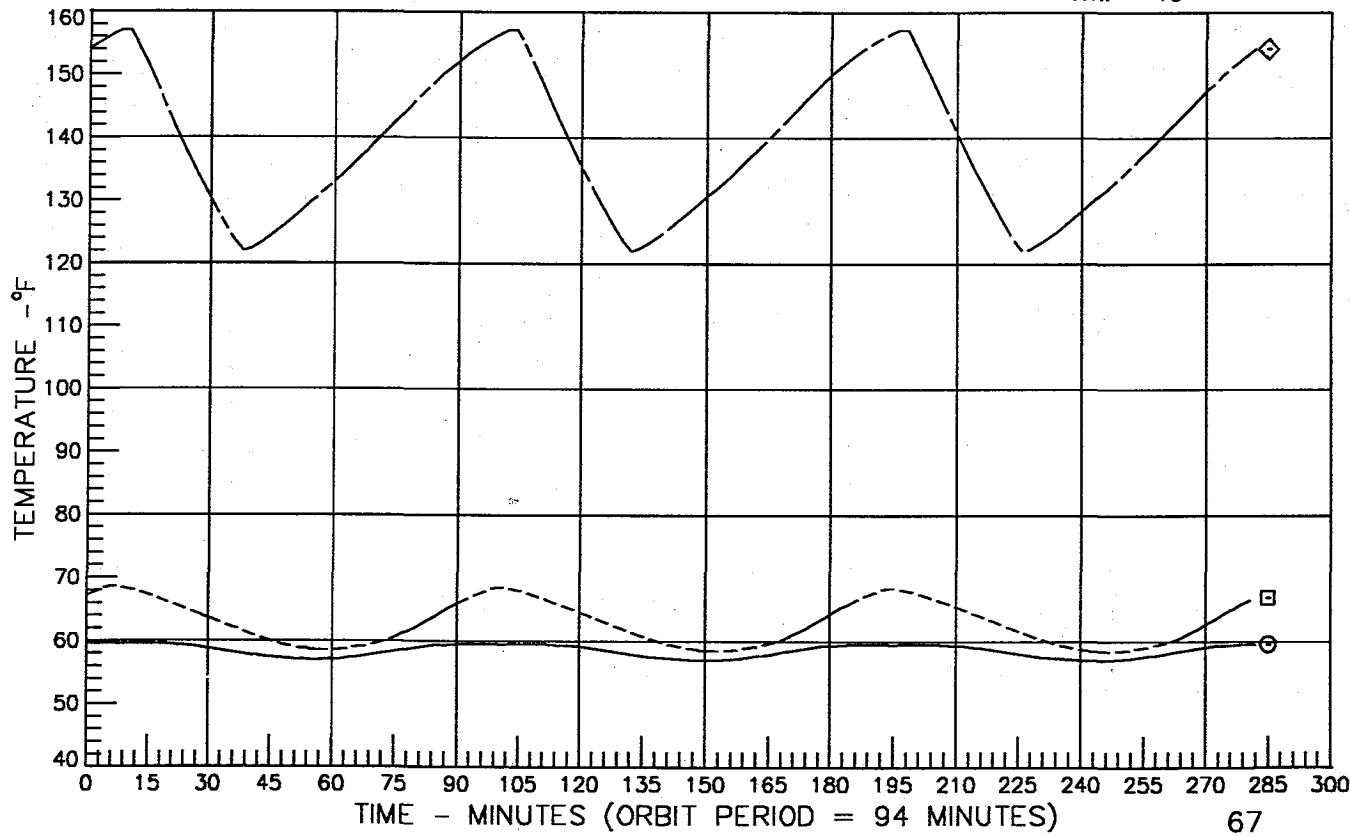
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A6 - SURFACE

○ ----- 96 +52° BETA ANGLE

□ ----- 96 0° BETA ANGLE

◇ ----- 96 -52° BETA ANGLE

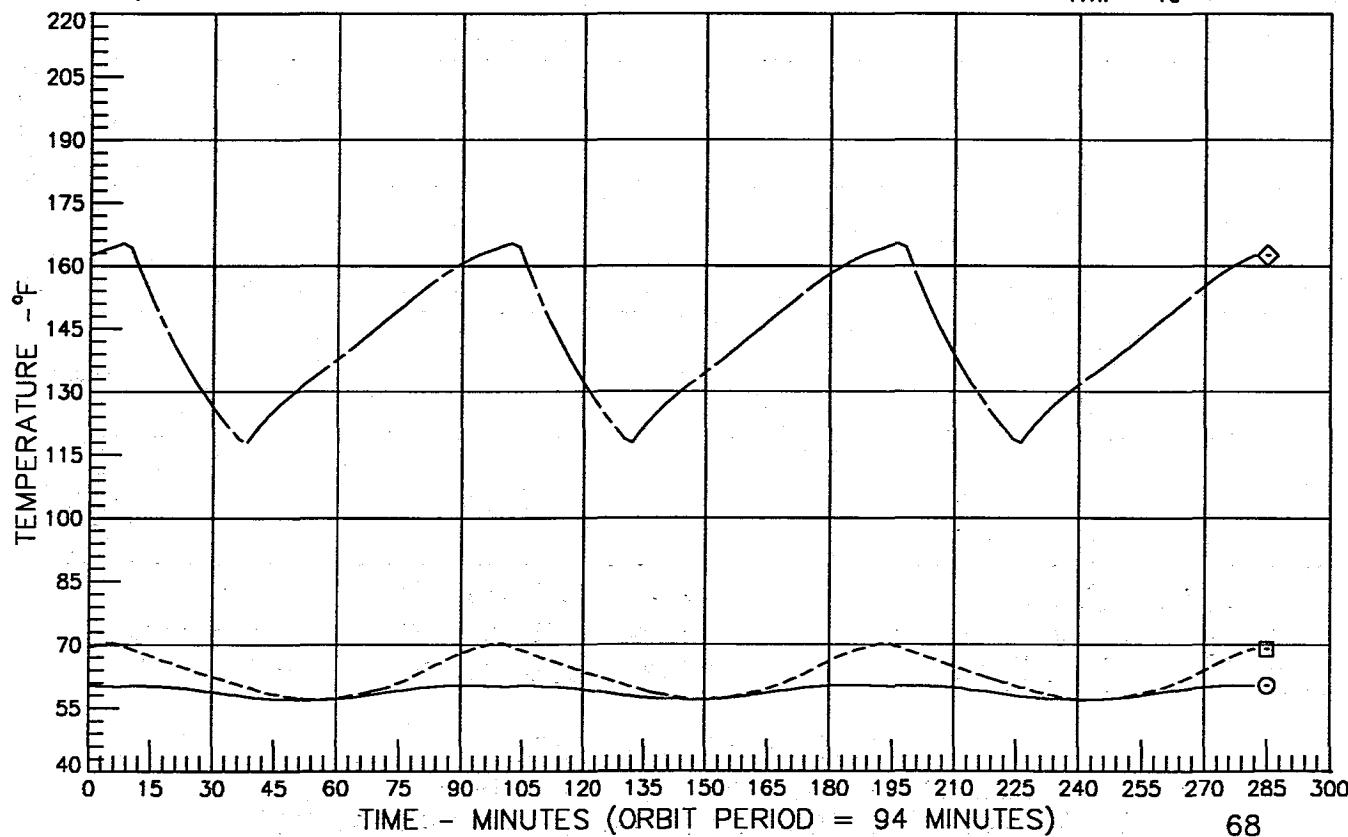
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

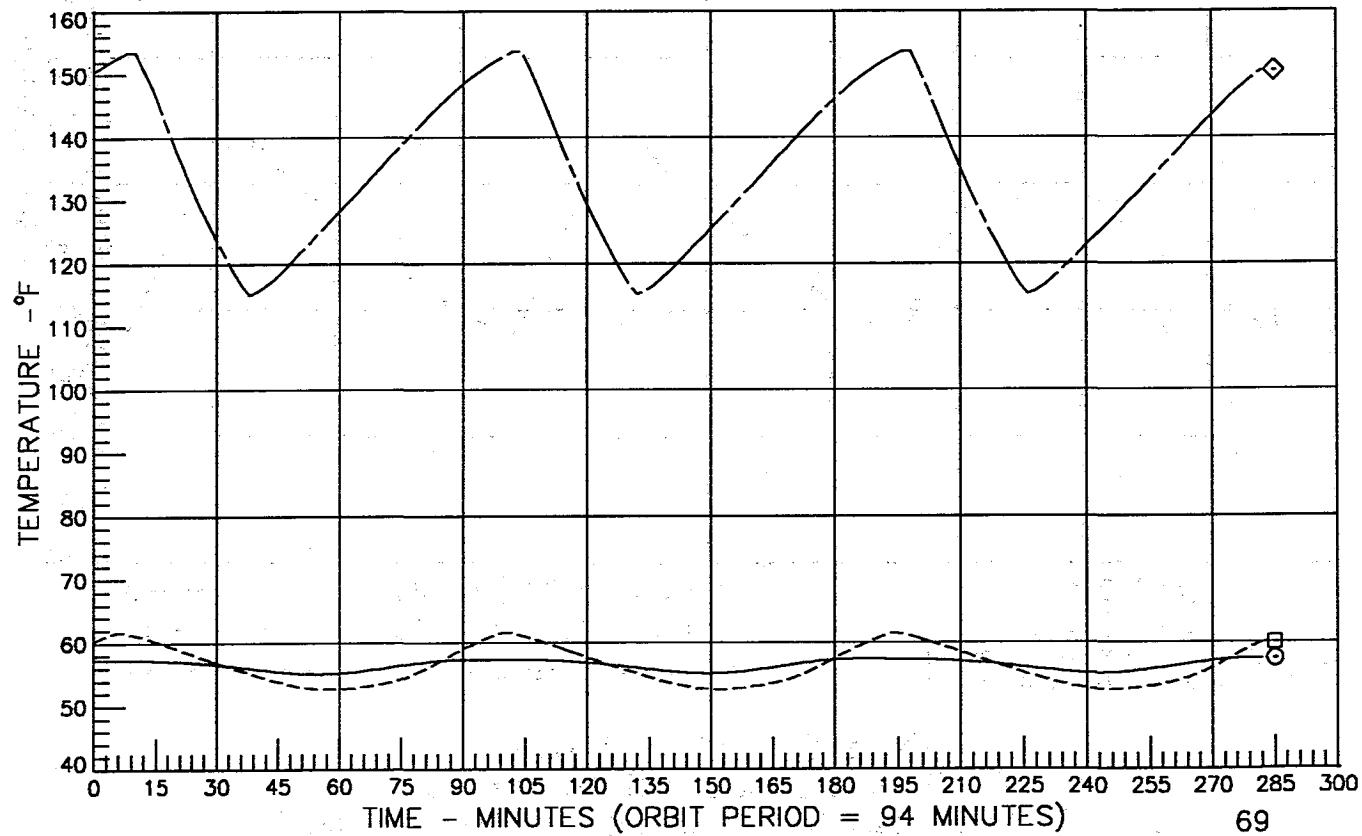
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B6 - TRAY

- ————— 18 +52° BETA ANGLE
- ----- 18 0° BETA ANGLE
- ◊ ----- 18 -52° BETA ANGLE

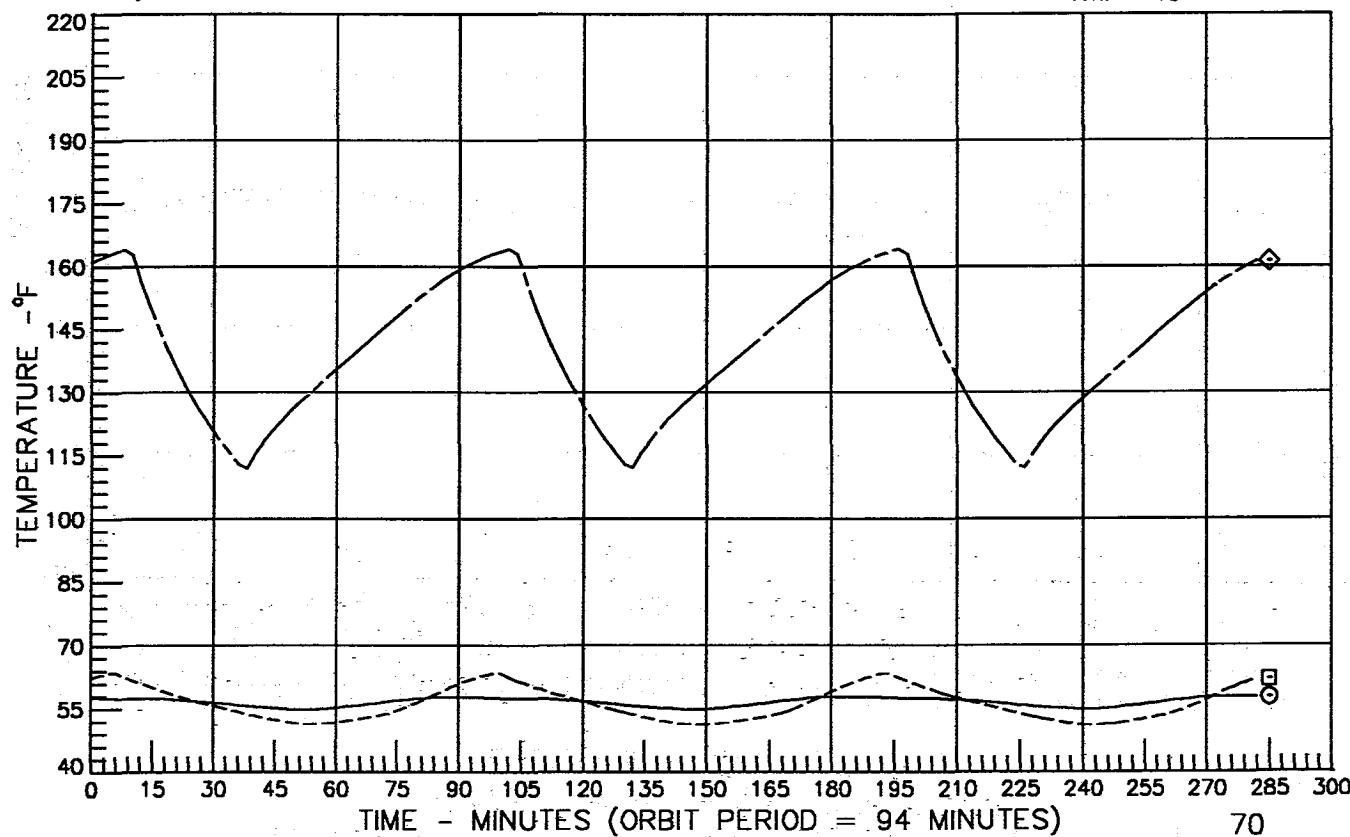
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B6 - SURFACE

○——— 108 +52° BETA ANGLE  
□----- 108 0° BETA ANGLE  
◇----- 108 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C6 - TRAY

○----- 30 +52° BETA ANGLE

□----- 30 0° BETA ANGLE

◊----- 30 -52° BETA ANGLE

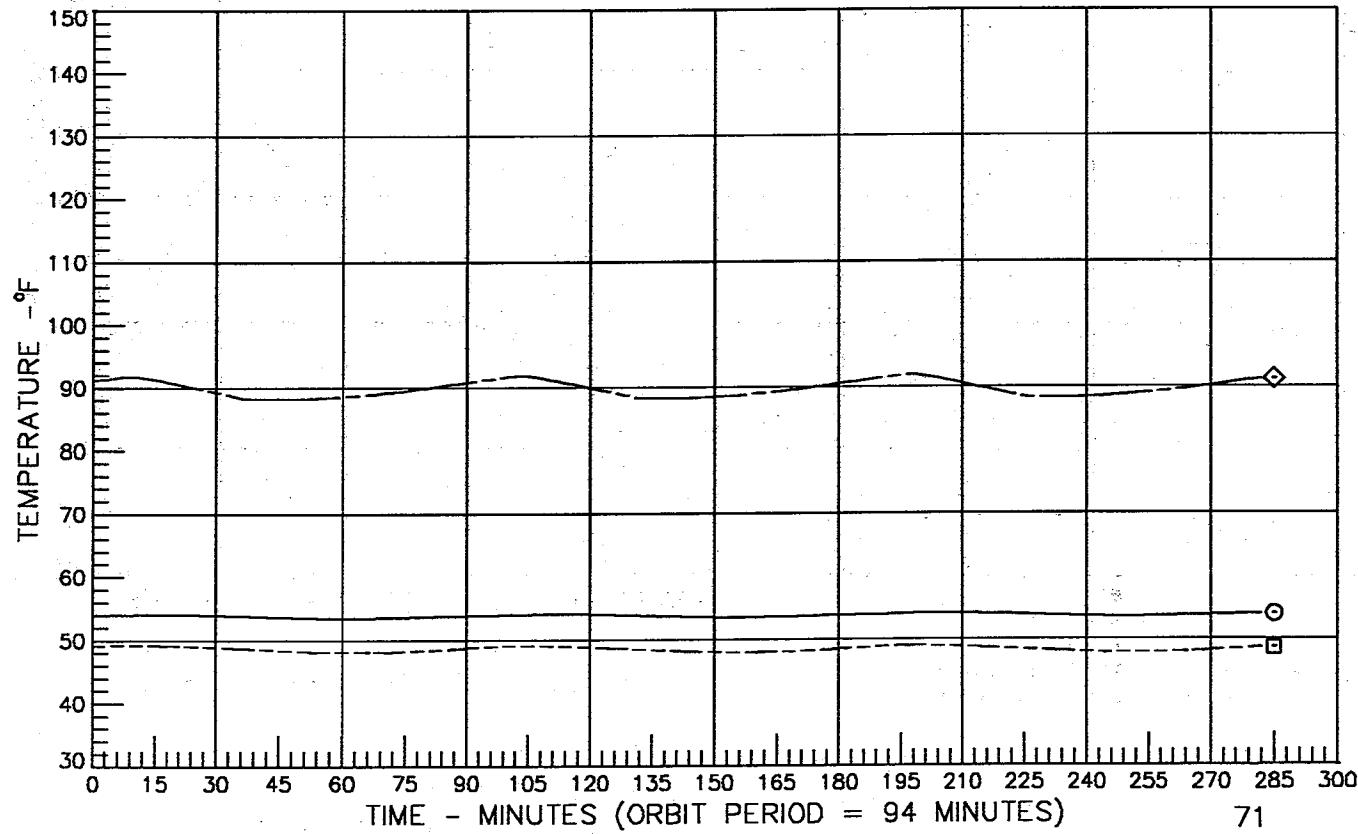
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

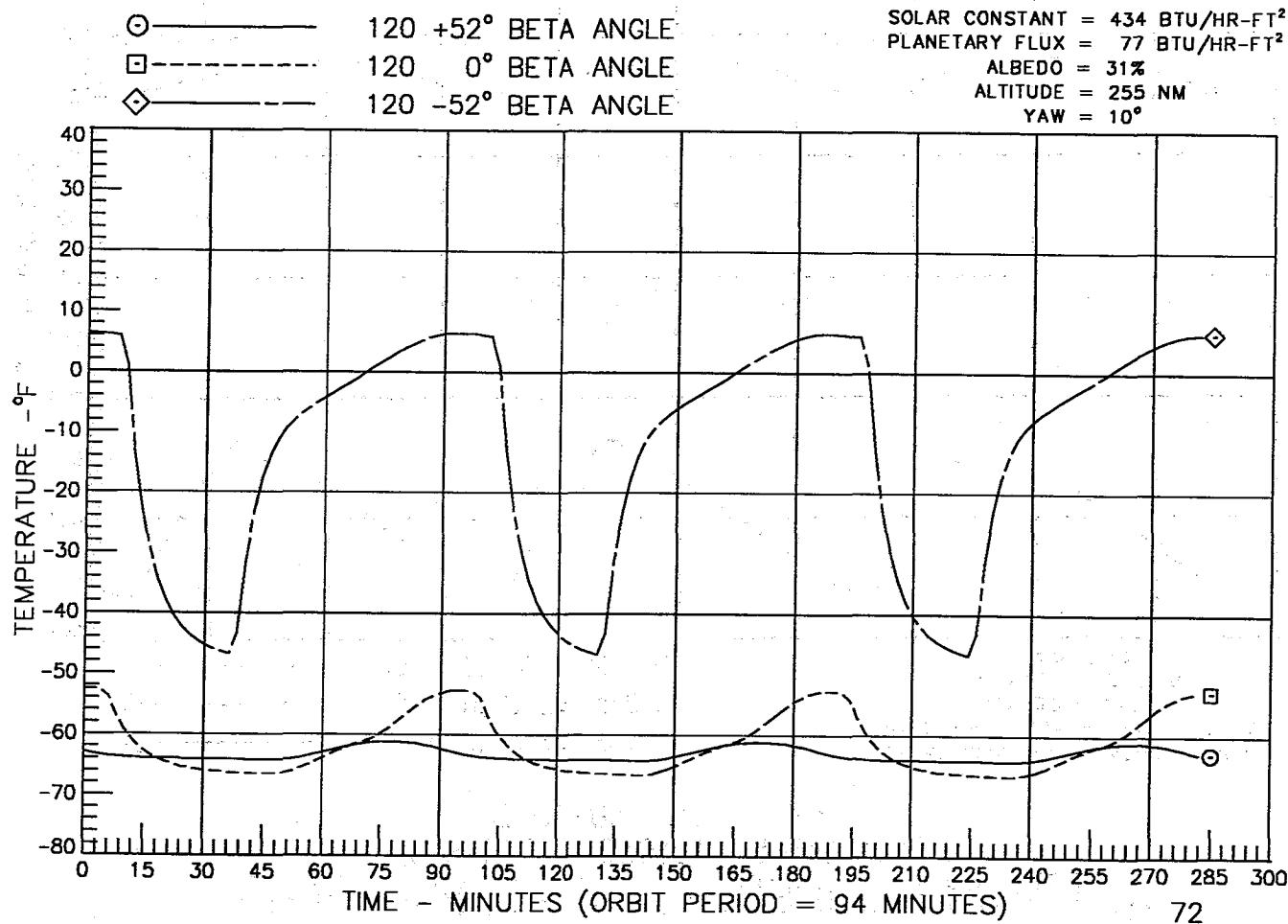
ALBEDO = 31%

ALTITUDE = 255 NM

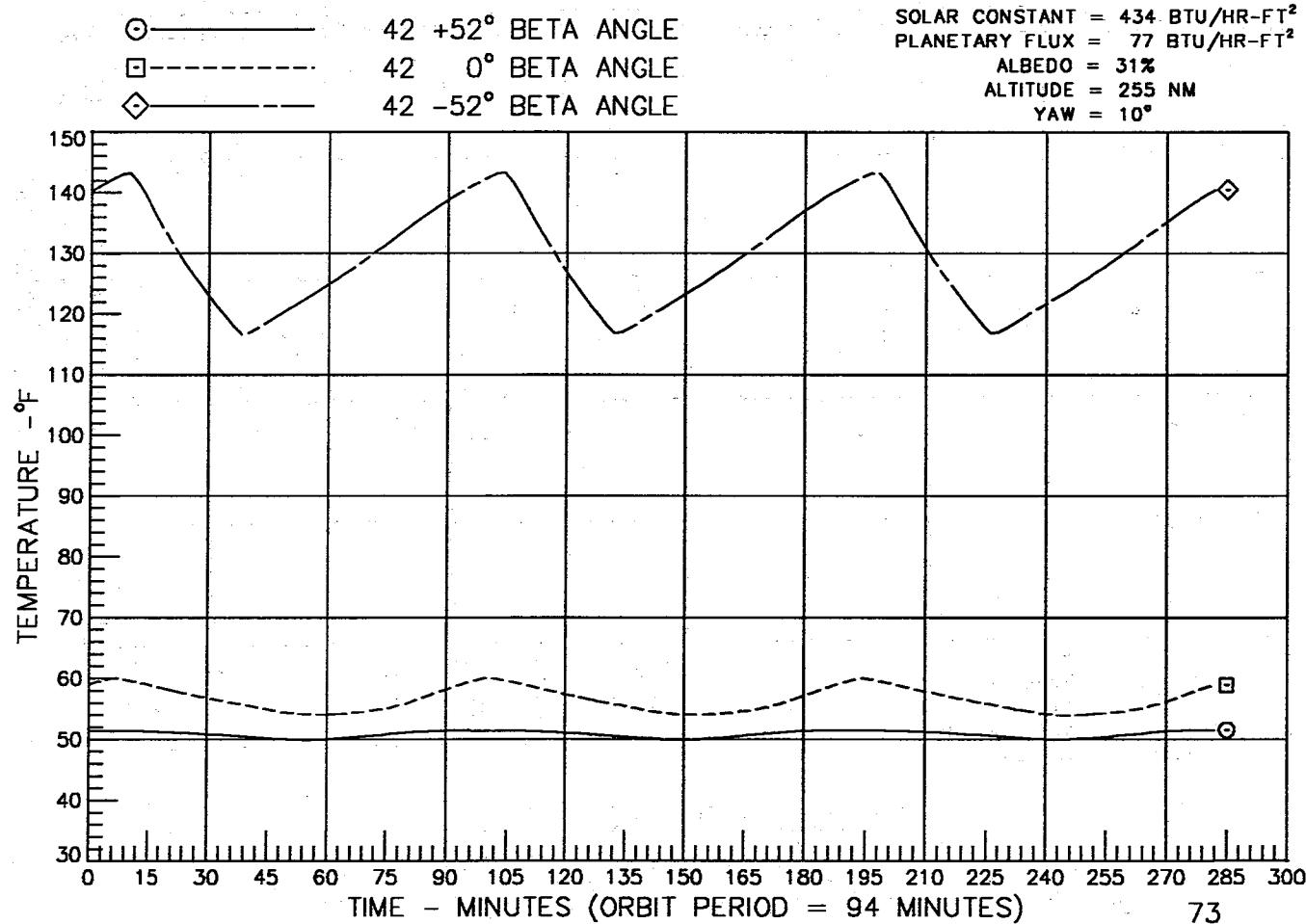
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C6 - SURFACE



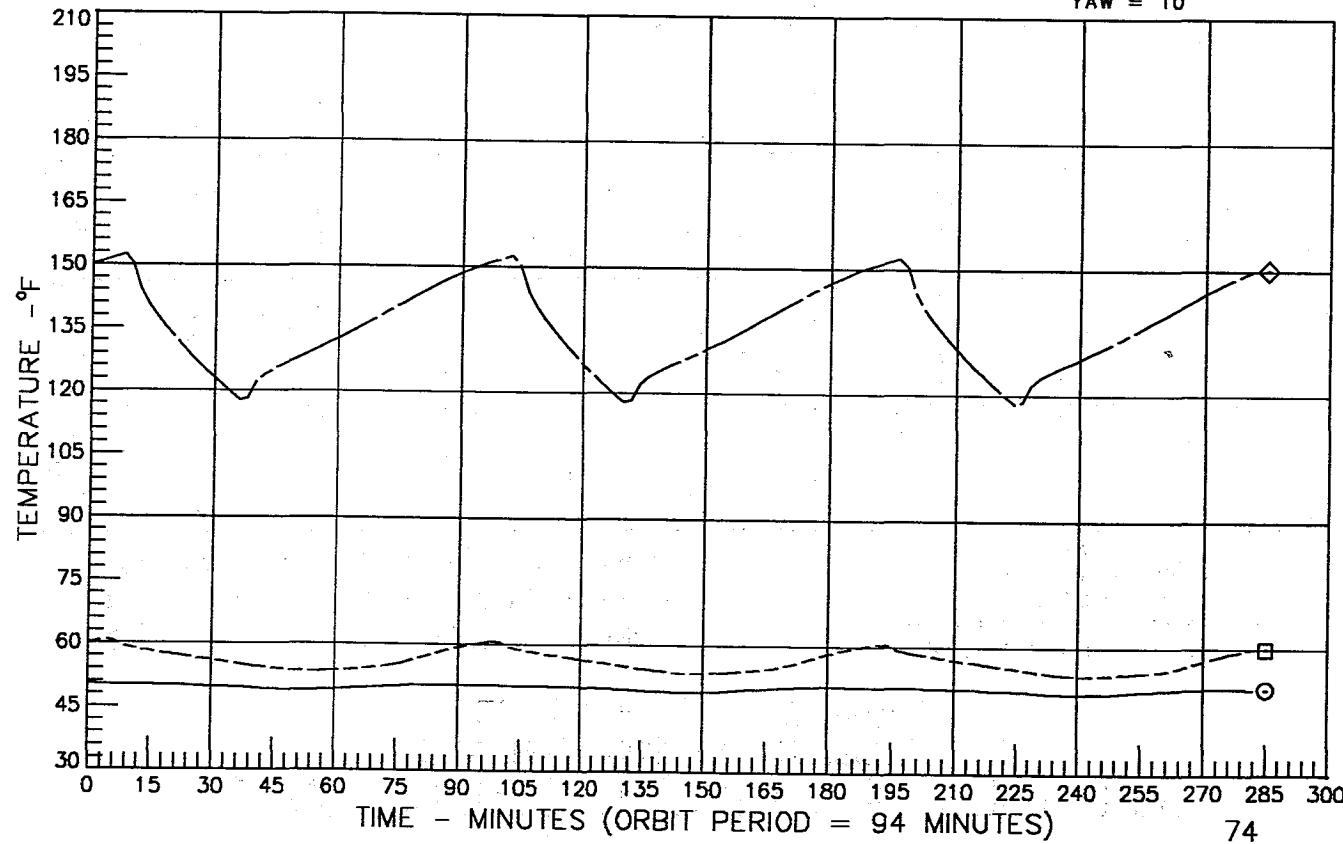
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D6 - TRAY



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D6 - SURFACE

○——— 132 +52° BETA ANGLE  
□----- 132 0° BETA ANGLE  
◇----- 132 -52° BETA ANGLE

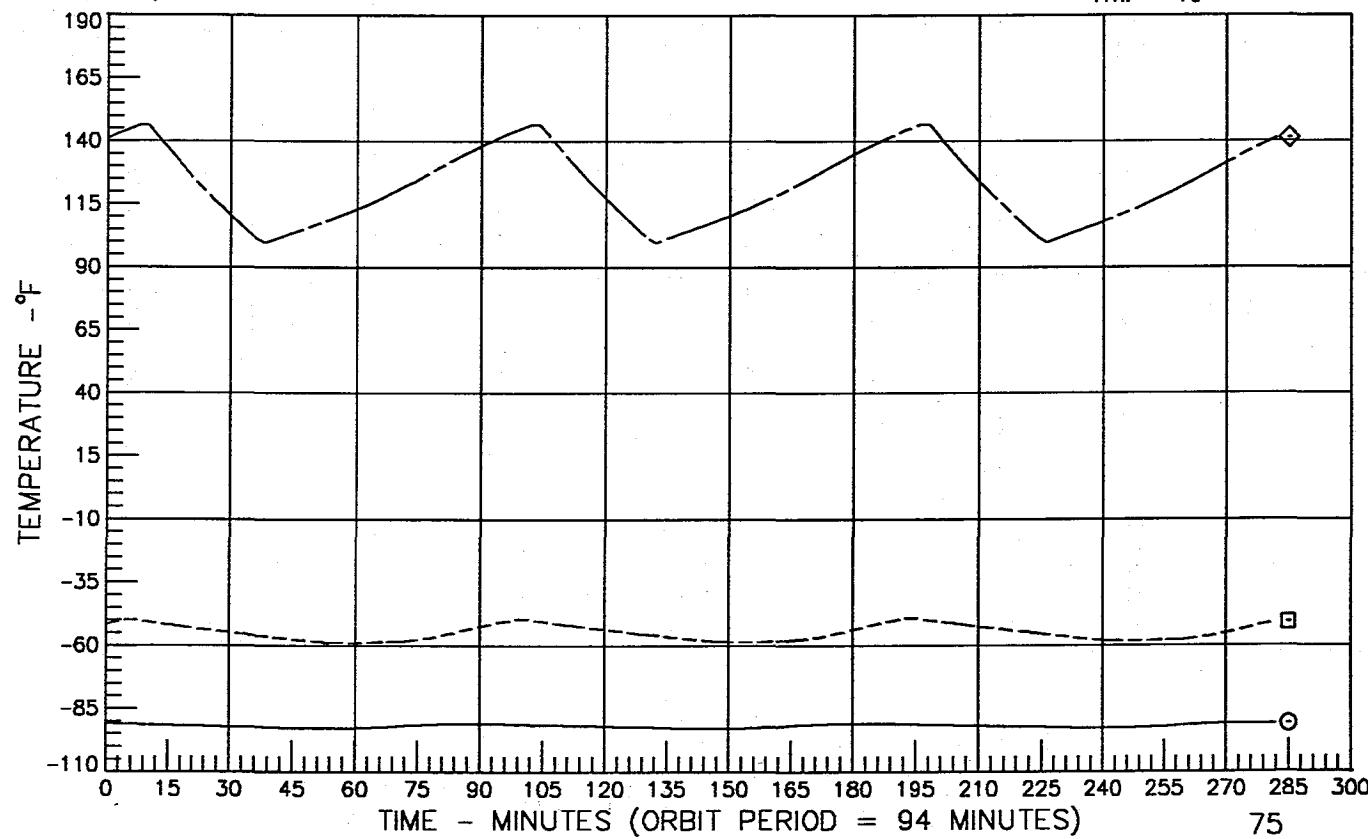
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D6 - SURFACE

○——— 279 +52° BETA ANGLE  
□----- 279 0° BETA ANGLE  
◊----- 279 -52° BETA ANGLE

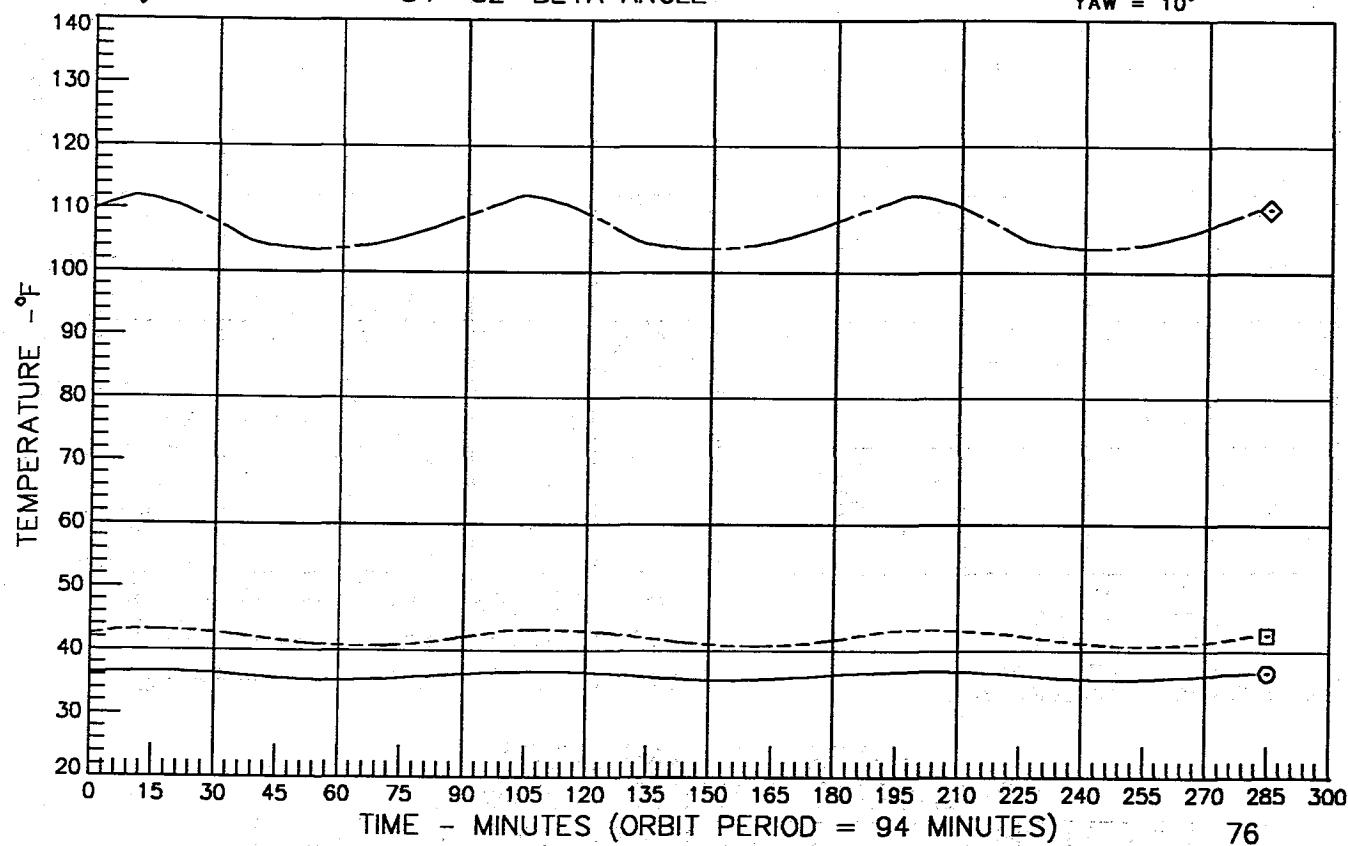
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



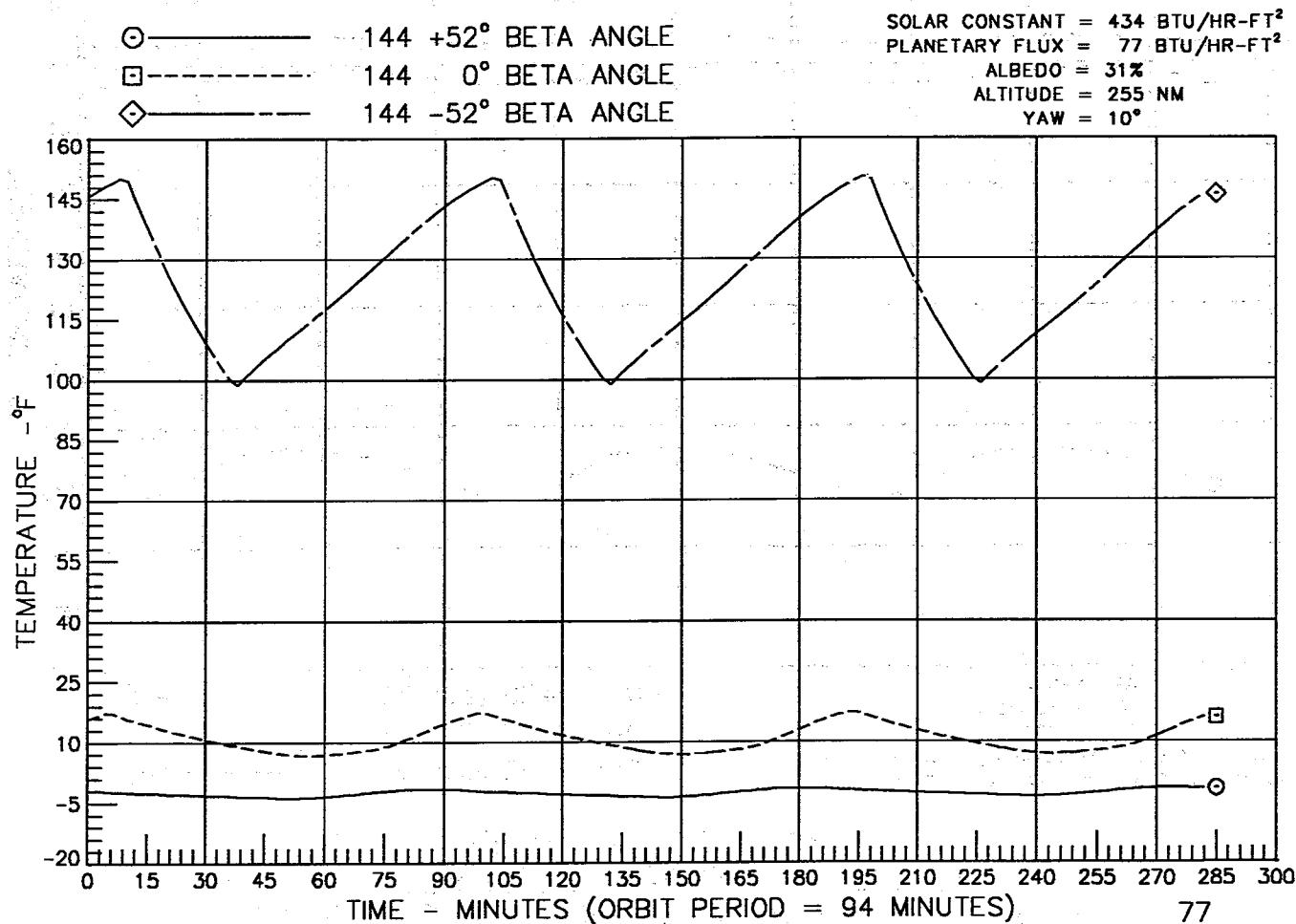
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E6 - TRAY

- ————— 54 +52° BETA ANGLE
- ----- 54 0° BETA ANGLE
- ◊ ----- 54 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



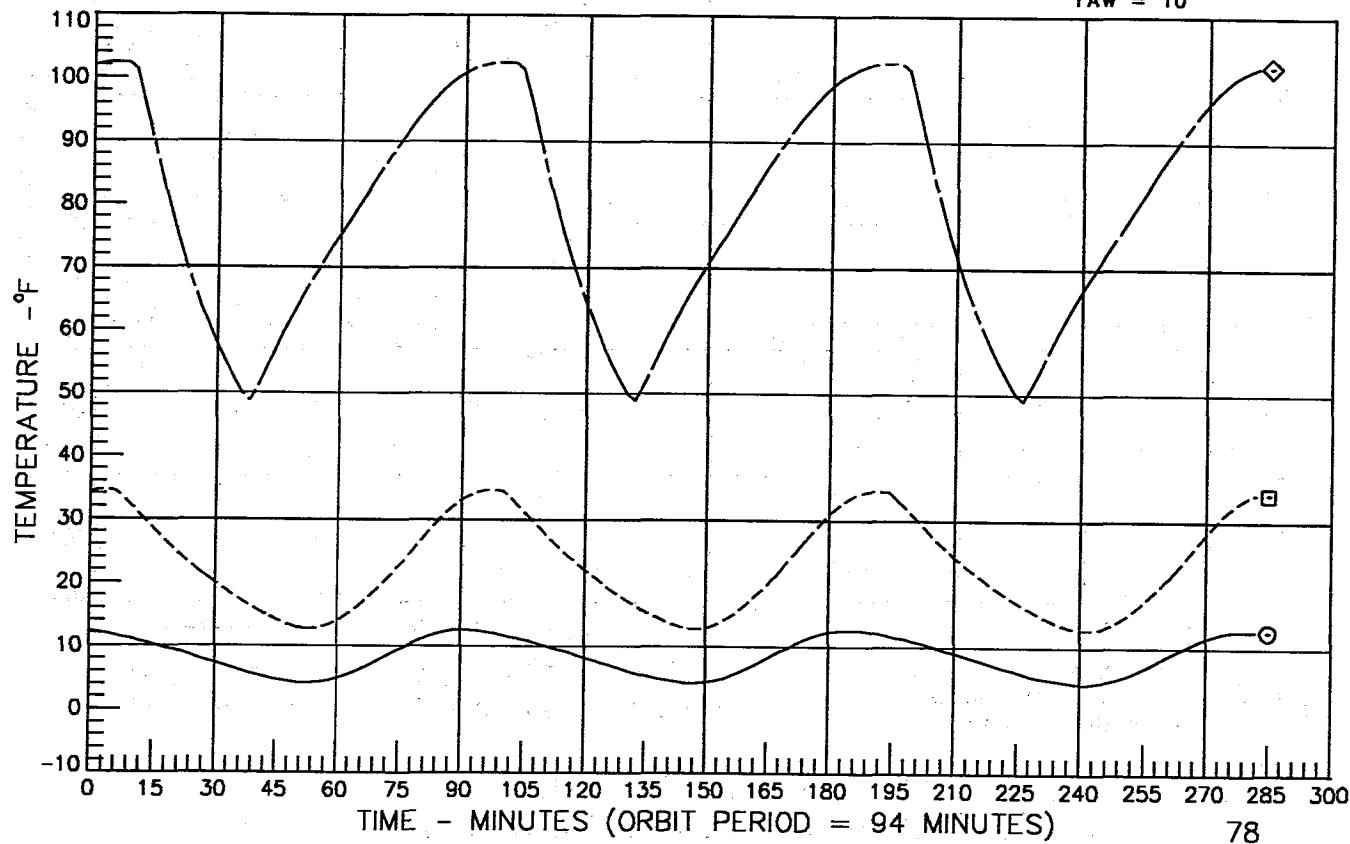
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E6 - SURFACE



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: F6 - TRAY

○ ————— 66 +52° BETA ANGLE  
□ ----- 66 0° BETA ANGLE  
◊ ————— 66 -52° BETA ANGLE

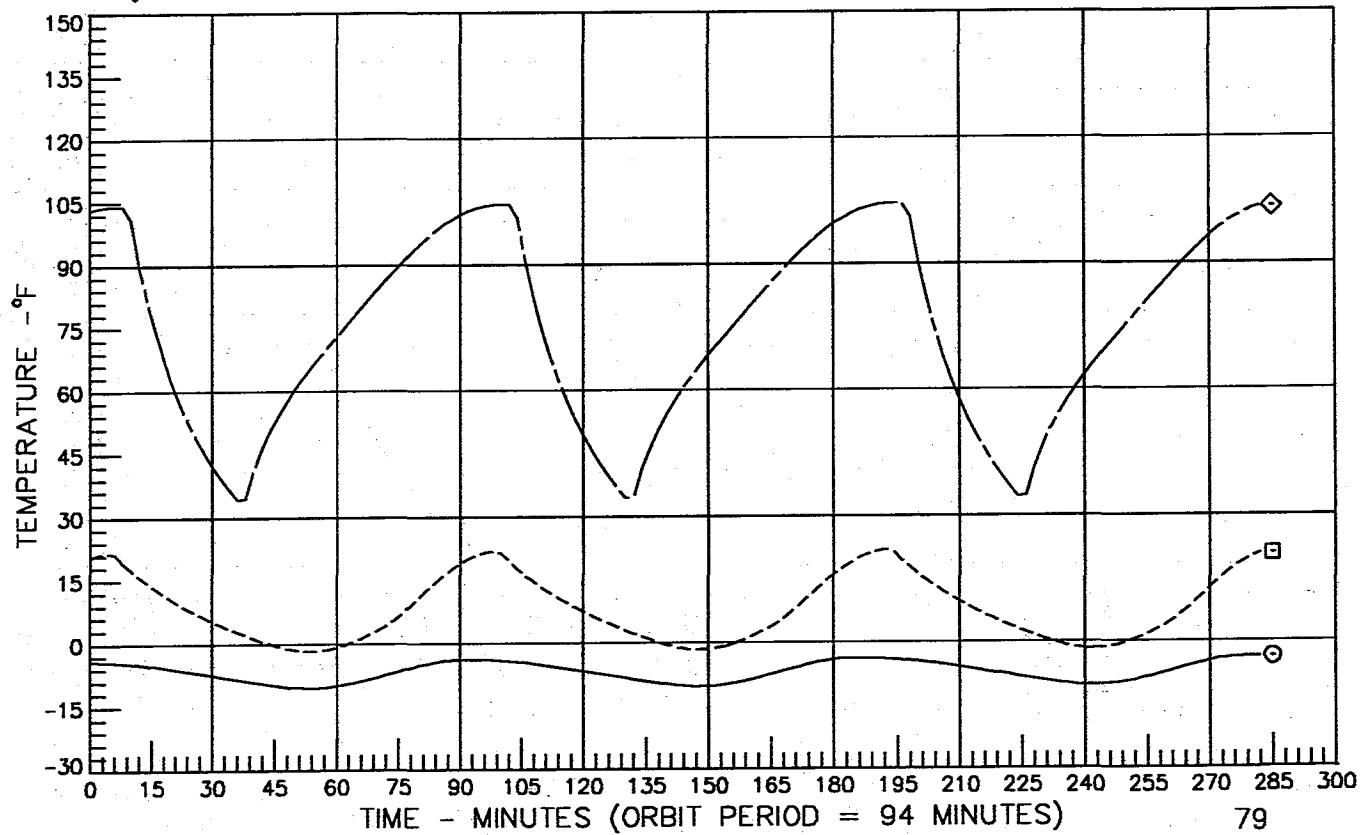
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: F6 - SURFACE

○ ————— 156 +52° BETA ANGLE  
□ ————— 156 0° BETA ANGLE  
◊ ————— 156 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A7 - TRAY

○ — 7 +52° BETA ANGLE

7 +52° BETA ANGLE

□ — 7 0° BETA ANGLE

7 0° BETA ANGLE

◊ — 7 -52° BETA ANGLE

7 -52° BETA ANGLE

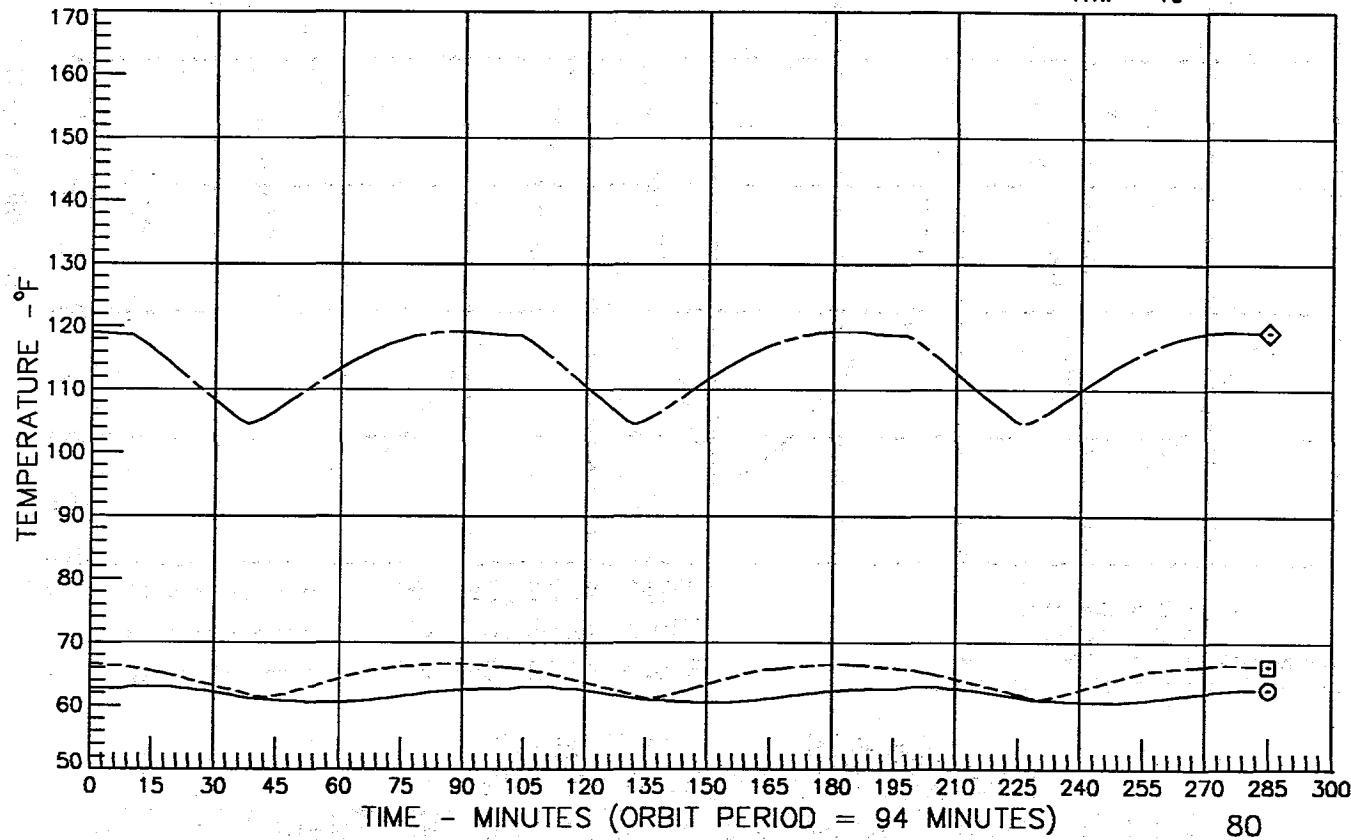
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

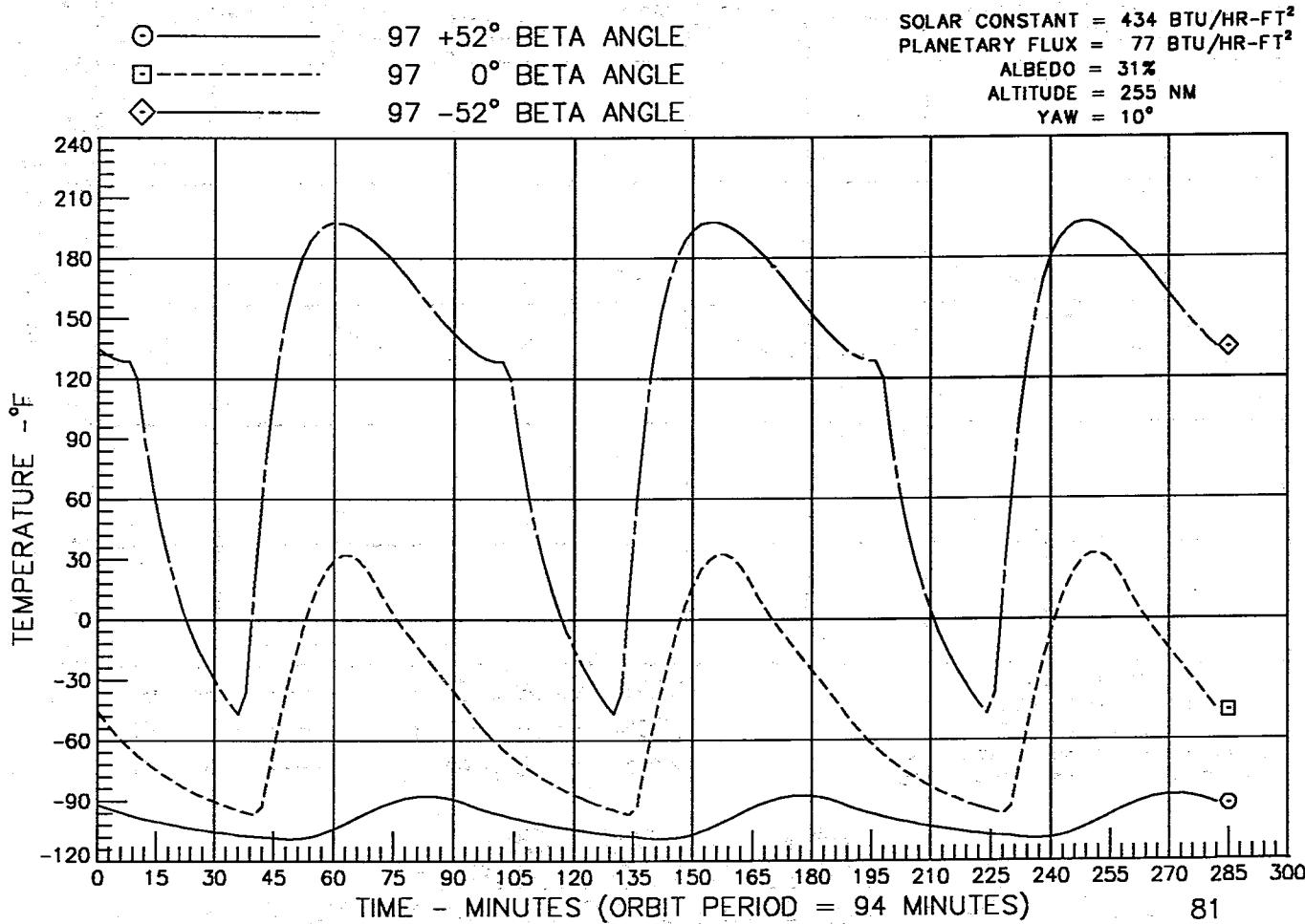
ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



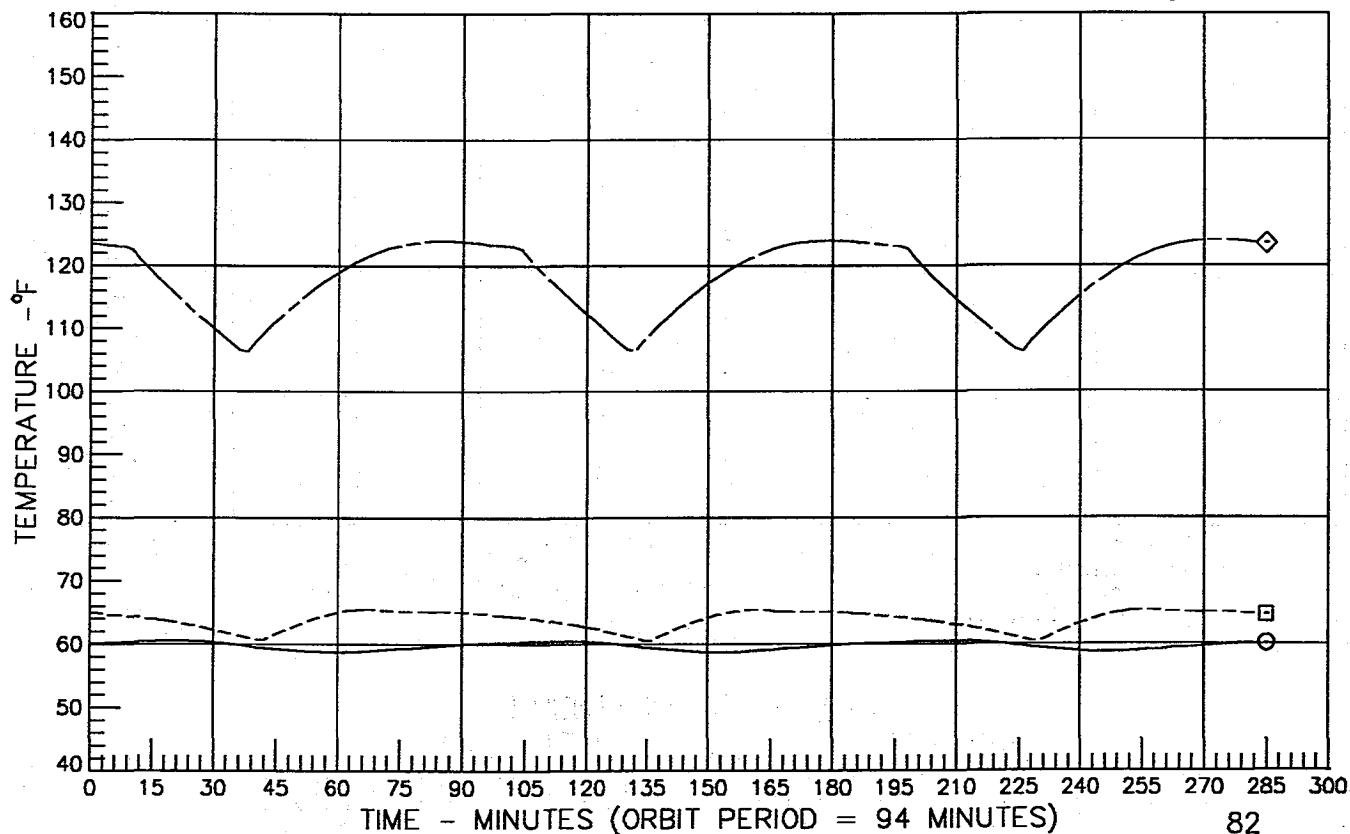
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A7 - SURFACE



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A7 - SURFACE

○— 272 +52° BETA ANGLE  
□--- 272 0° BETA ANGLE  
◊--- 272 -52° BETA ANGLE

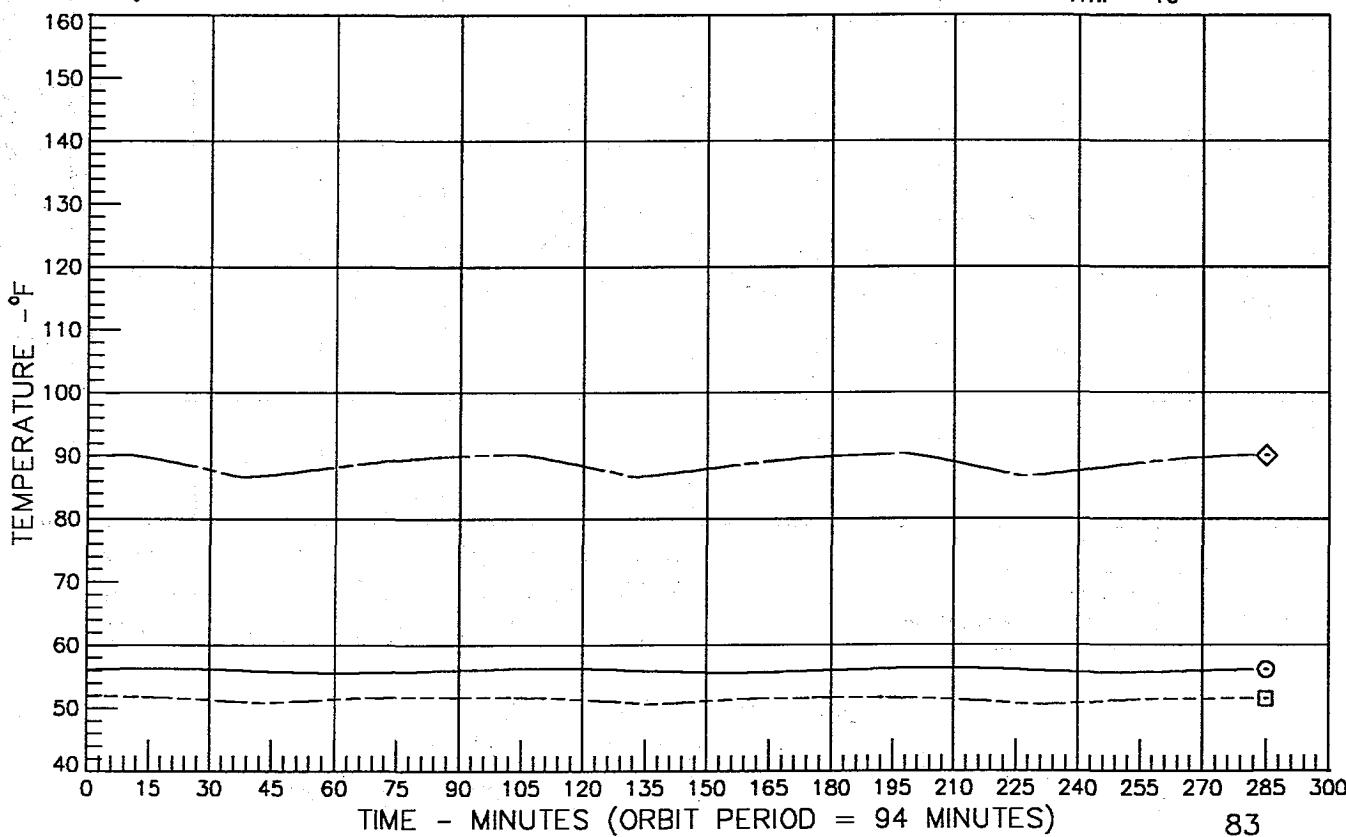
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



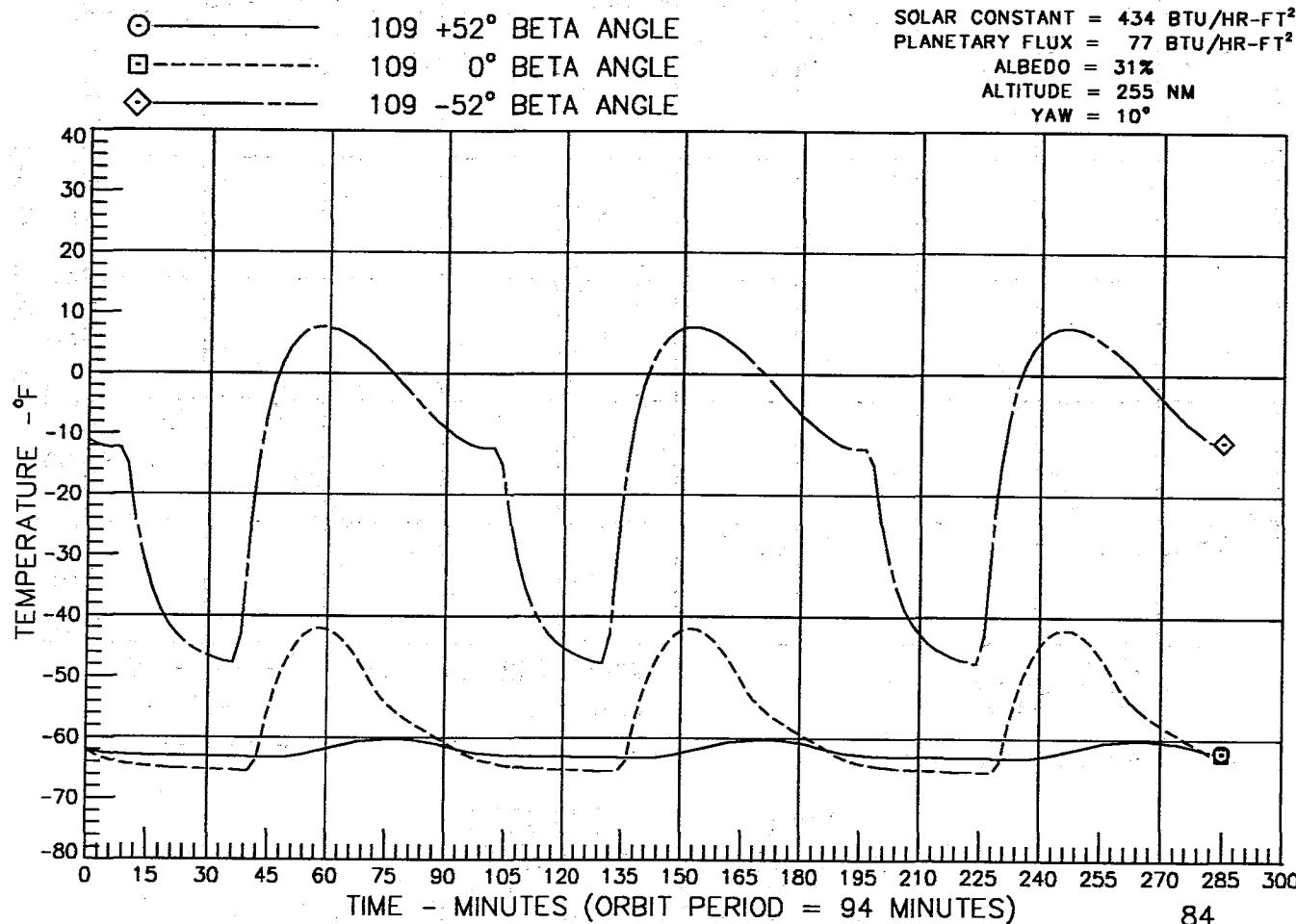
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B7 - TRAY

- ⊖ ————— 19 +52° BETA ANGLE
- ◻ ----- 19 0° BETA ANGLE
- ◇ ----- 19 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



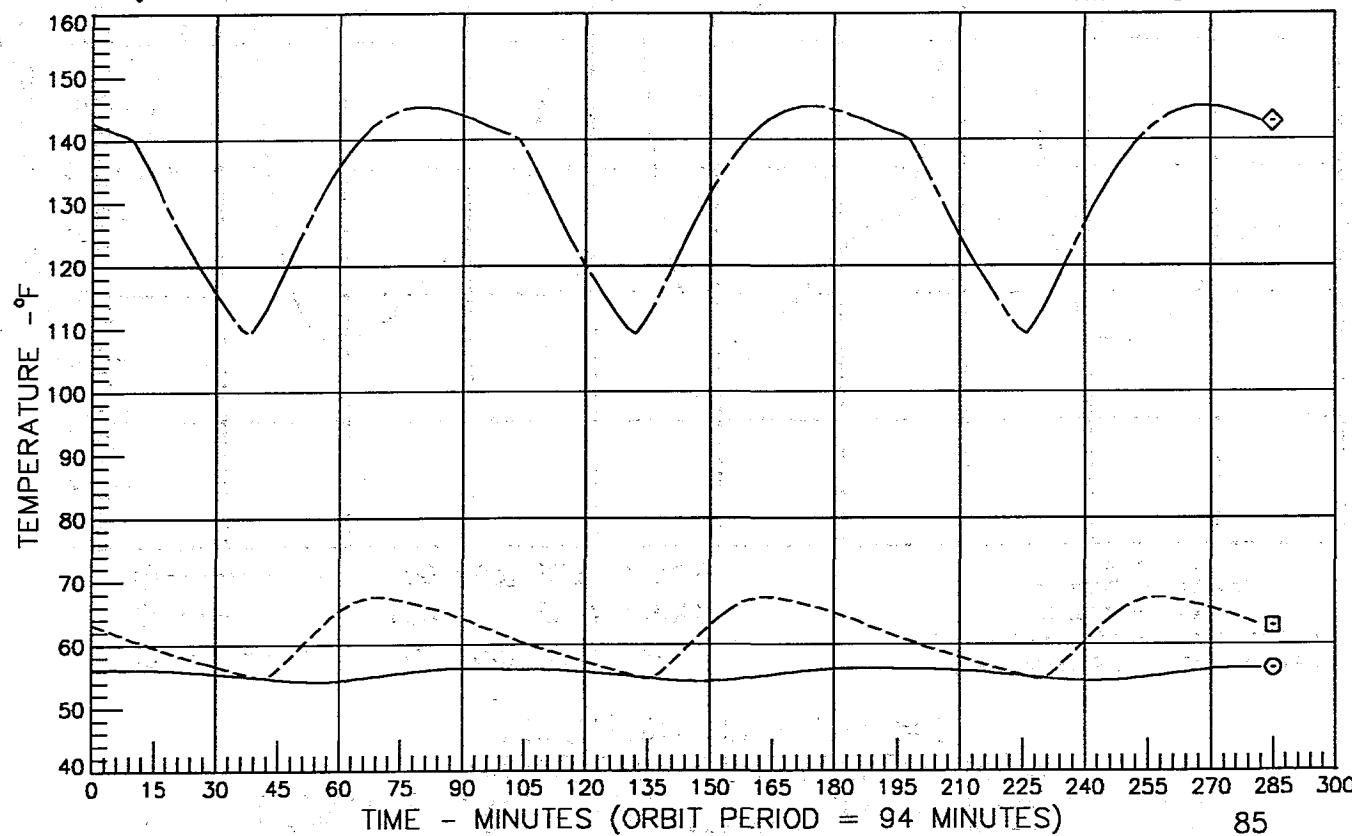
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B7 - SURFACE



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C7 - TRAY

- ————— 31 +52° BETA ANGLE
- ----- 31 0° BETA ANGLE
- ◊ ----- 31 -52° BETA ANGLE

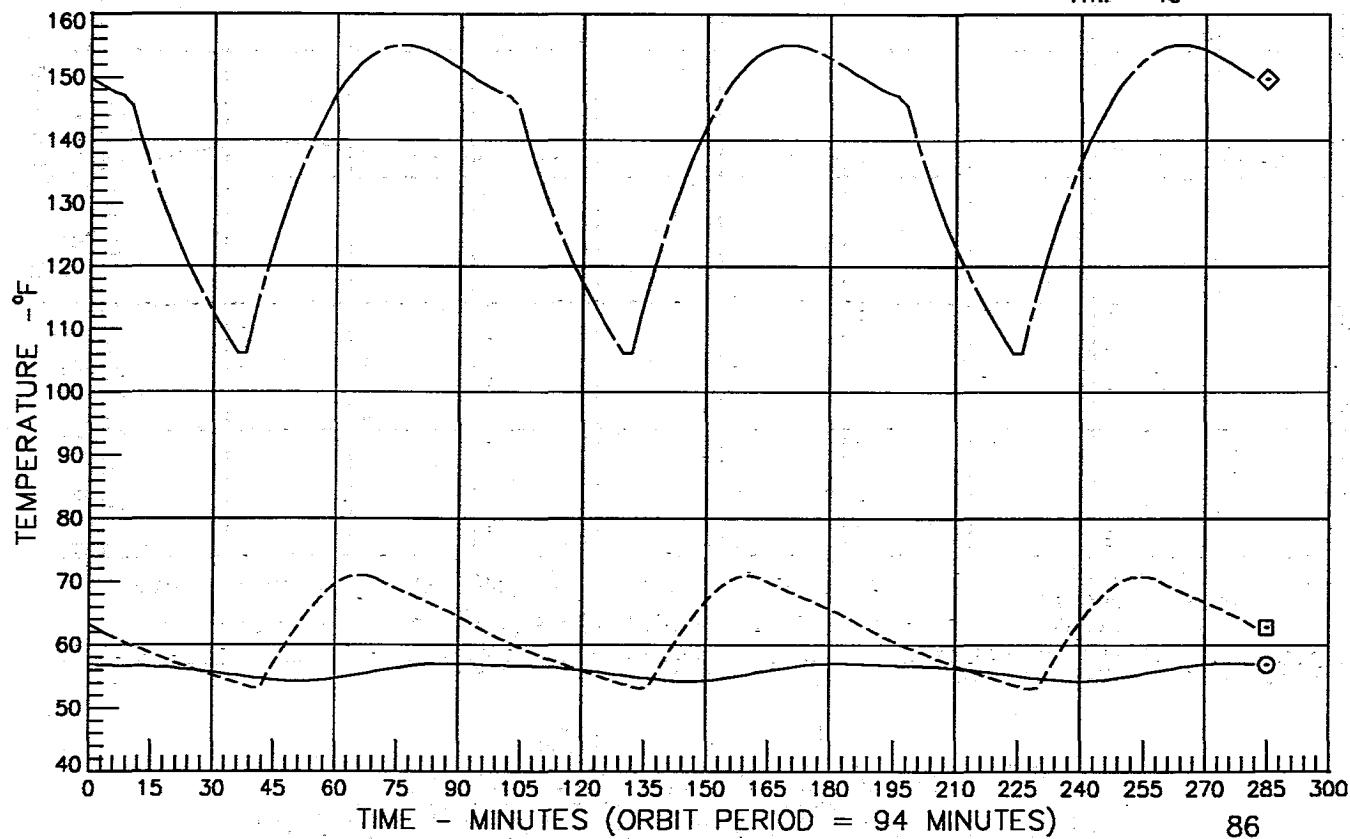
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C7 - SURFACE

○——— 121 +52° BETA ANGLE  
□——— 121 0° BETA ANGLE  
◊——— 121 -52° BETA ANGLE

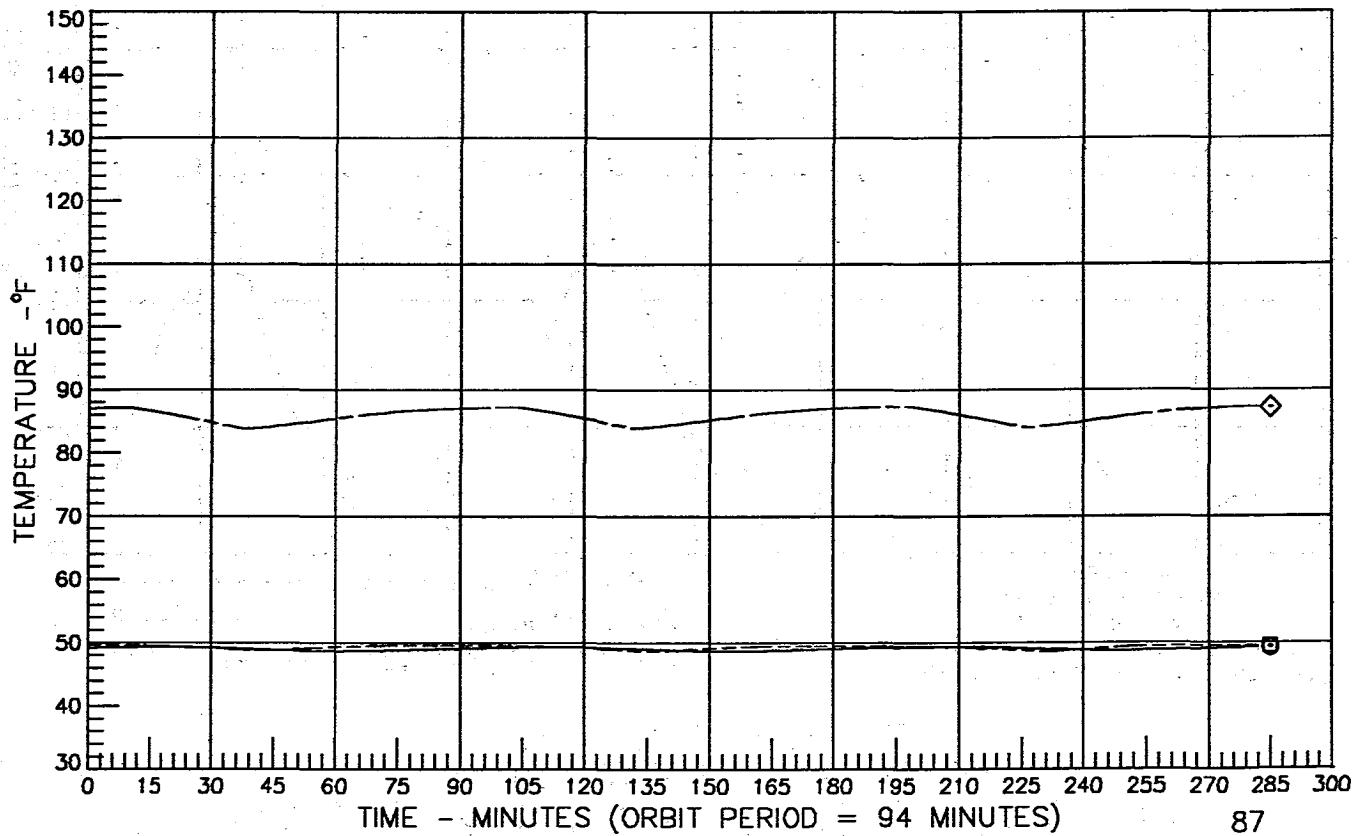
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = .77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



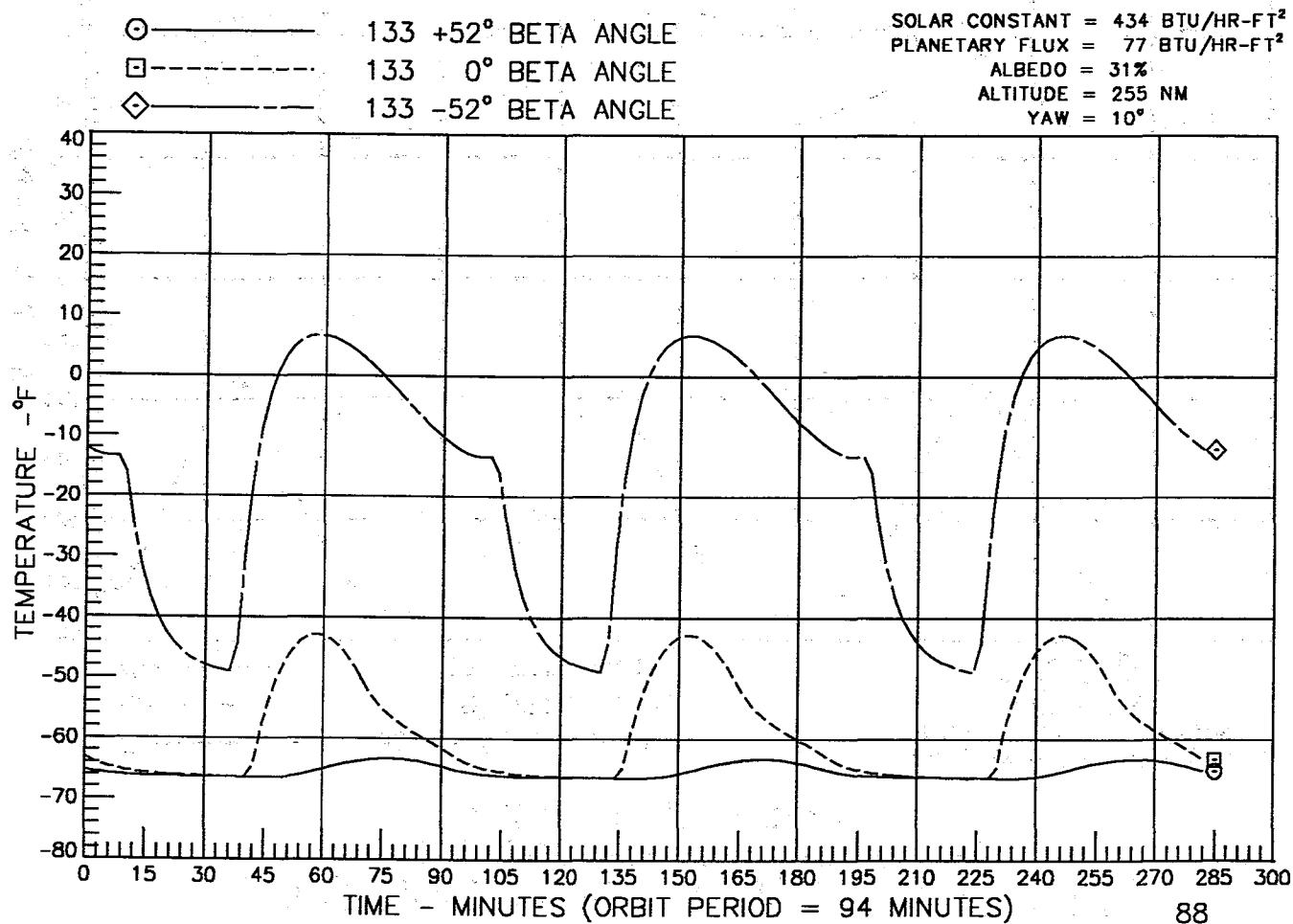
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D7 - TRAY

- ————— 43 +52° BETA ANGLE
- ----- 43 0° BETA ANGLE
- ◊ ----- 43 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



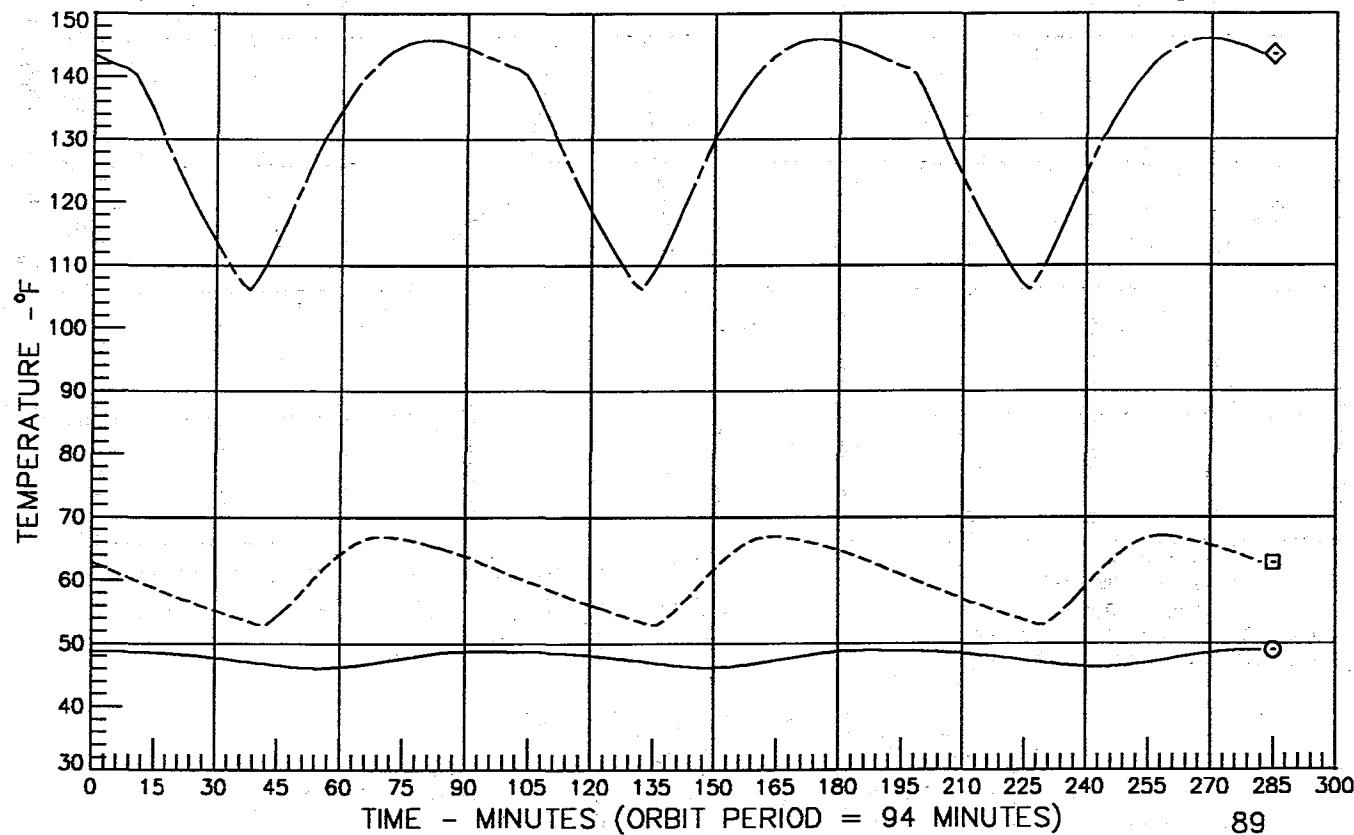
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D7 - SURFACE



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E7 - TRAY

○— 55 +52° BETA ANGLE  
□— 55 0° BETA ANGLE  
◊— 55 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E7 - SURFACE

○ ————— 145 +52° BETA ANGLE

□ ————— 145 0° BETA ANGLE

◊ ————— 145 -52° BETA ANGLE

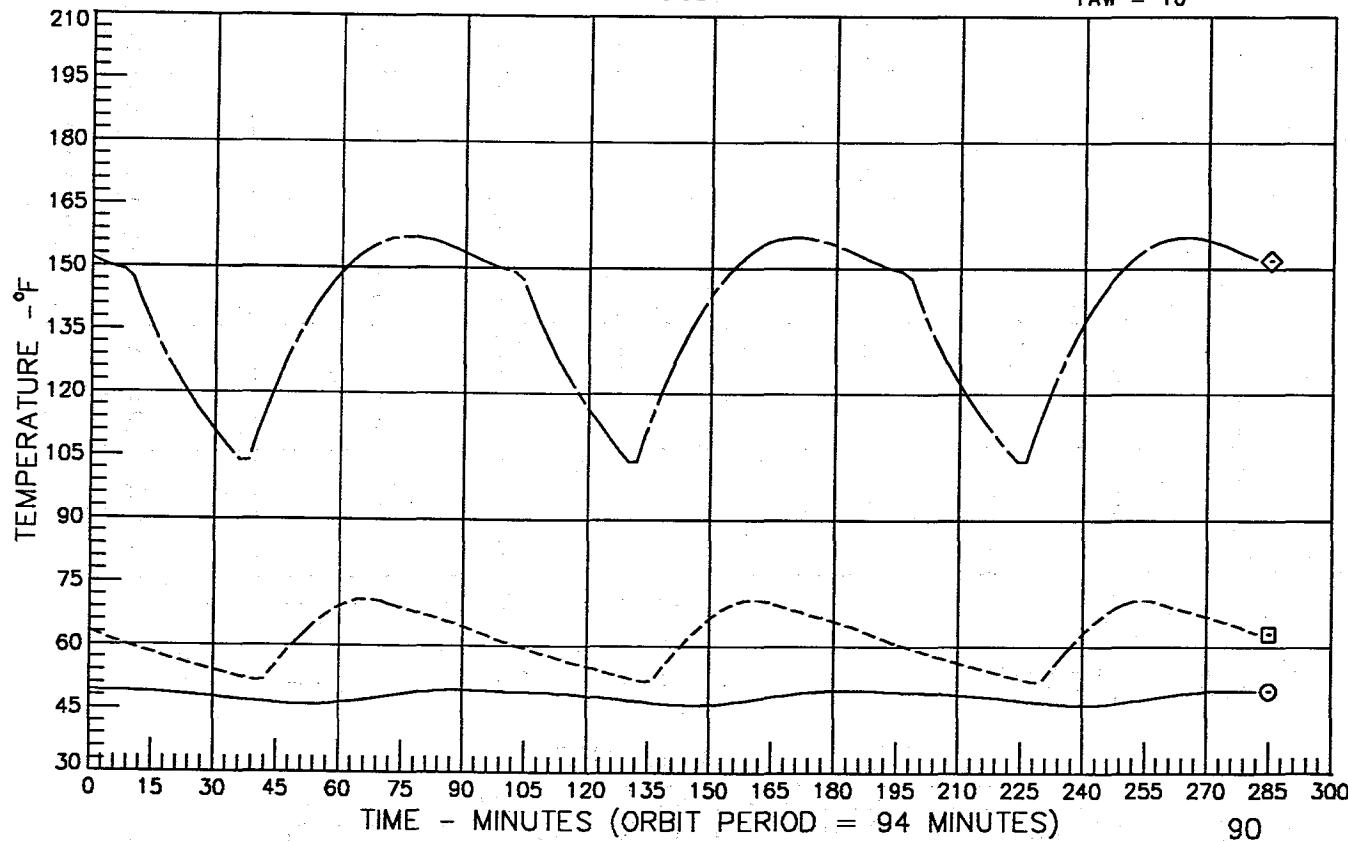
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

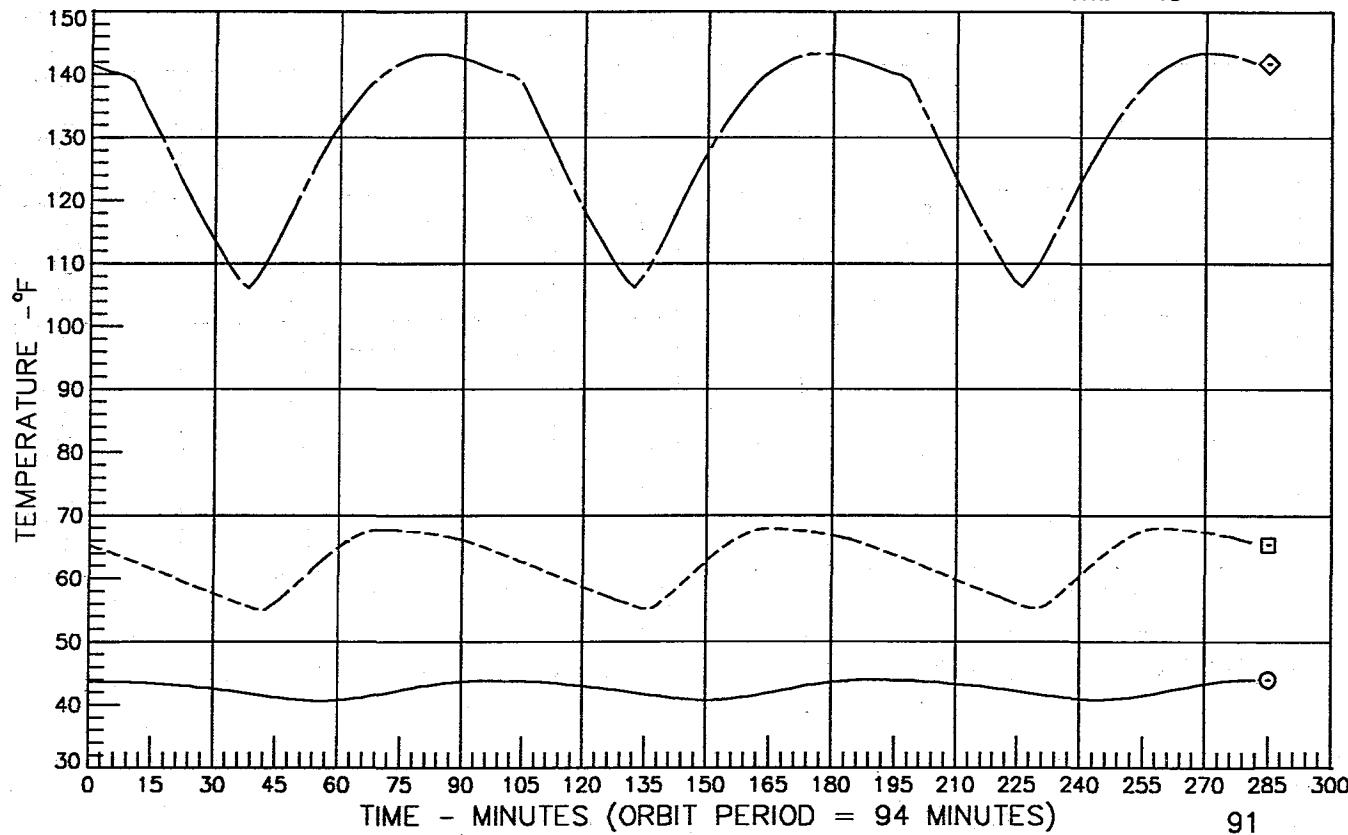
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: F7 - TRAY

○ ————— 67 +52° BETA ANGLE  
□ ----- 67 0° BETA ANGLE  
◊ ————— 67 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: F7 - SURFACE

○ ————— 157 +52° BETA ANGLE

□ ————— 157 0° BETA ANGLE

◇ ————— 157 -52° BETA ANGLE

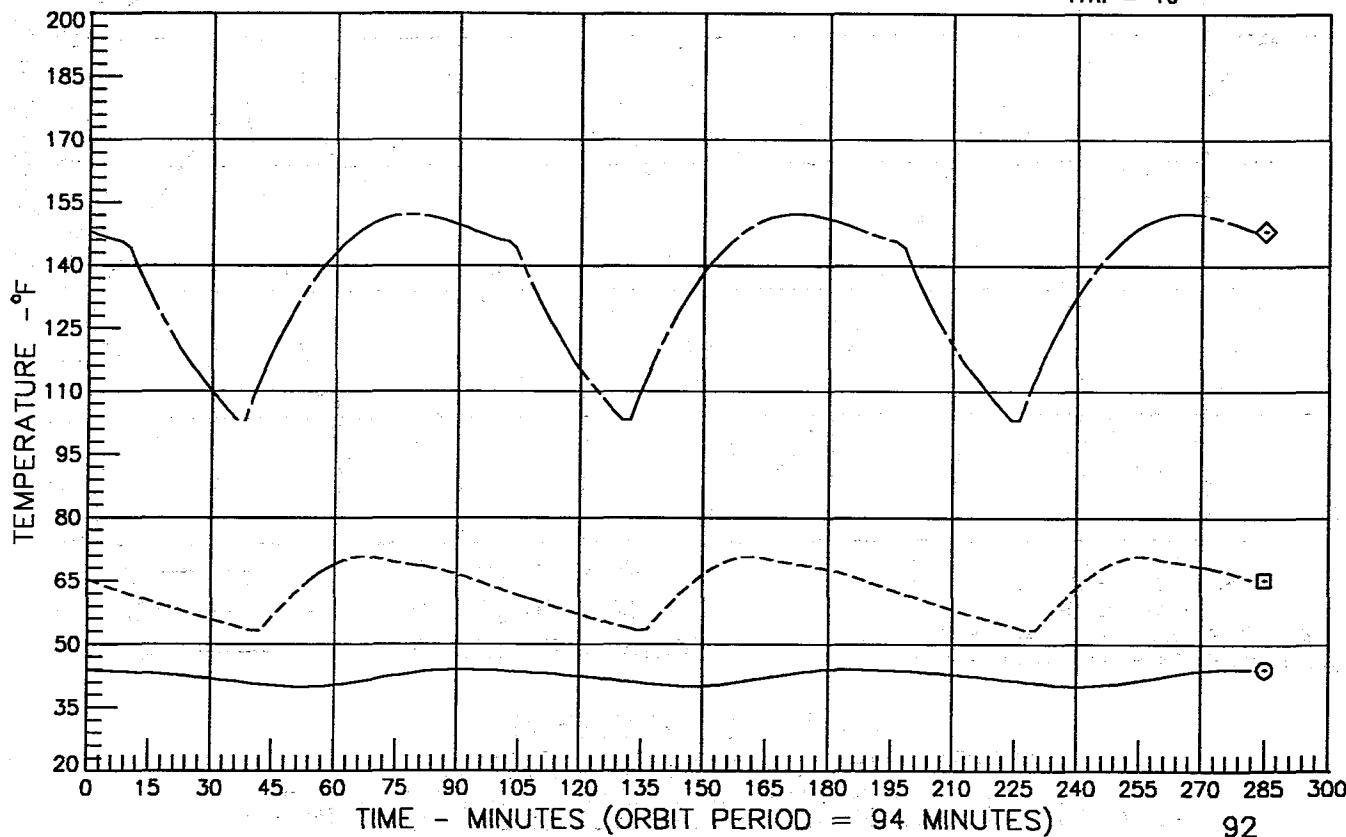
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



**LONG DURATION EXPOSURE FACILITY**  
**TRANSIENT ORBITAL TEMPERATURES**  
**LOCATION: A8 - TRAY**

(○) -----

8 +52° BETA ANGLE

(□) -----

8 0° BETA ANGLE

(◊) -----

8 -52° BETA ANGLE

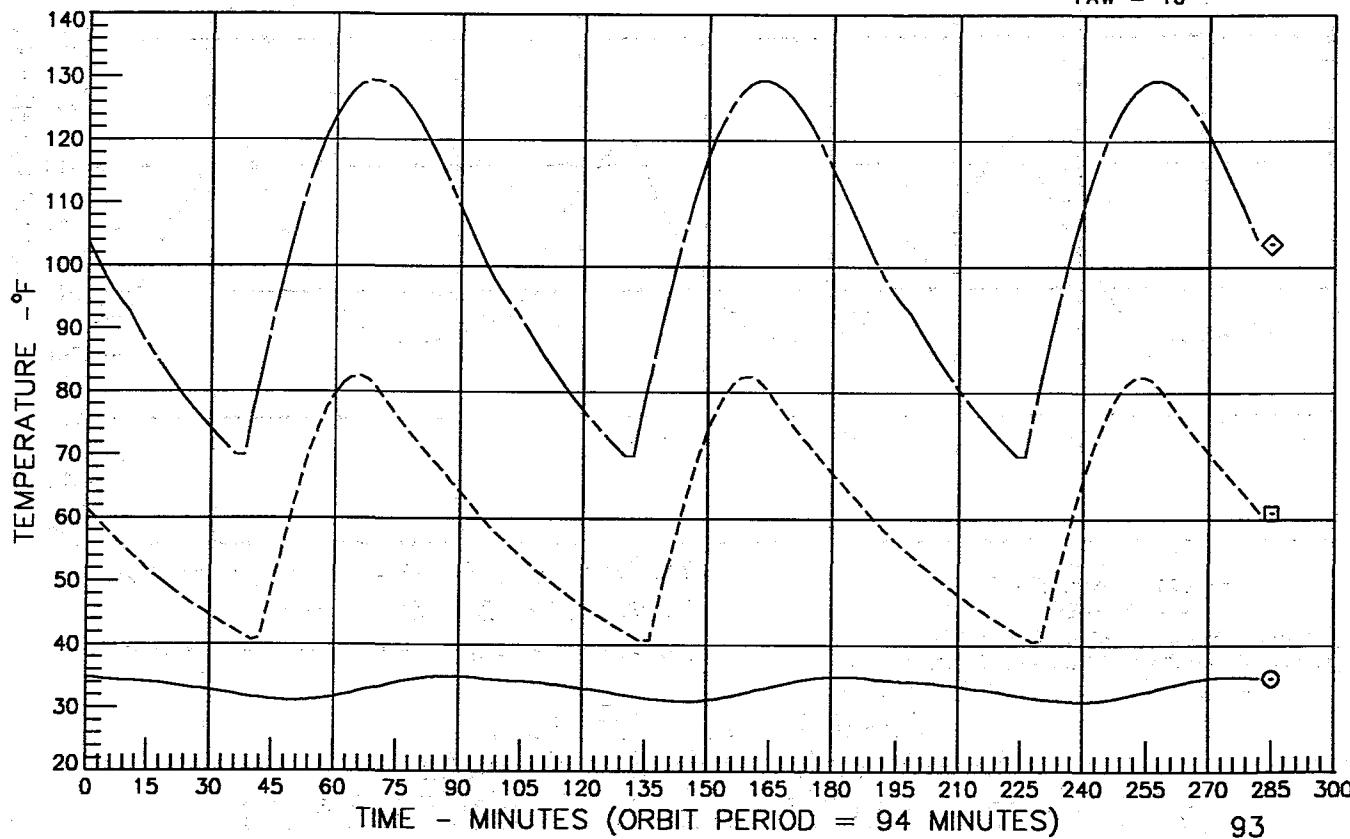
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A8 - SURFACE

○----- 98 +52° BETA ANGLE

□----- 98 0° BETA ANGLE

◇----- 98 -52° BETA ANGLE

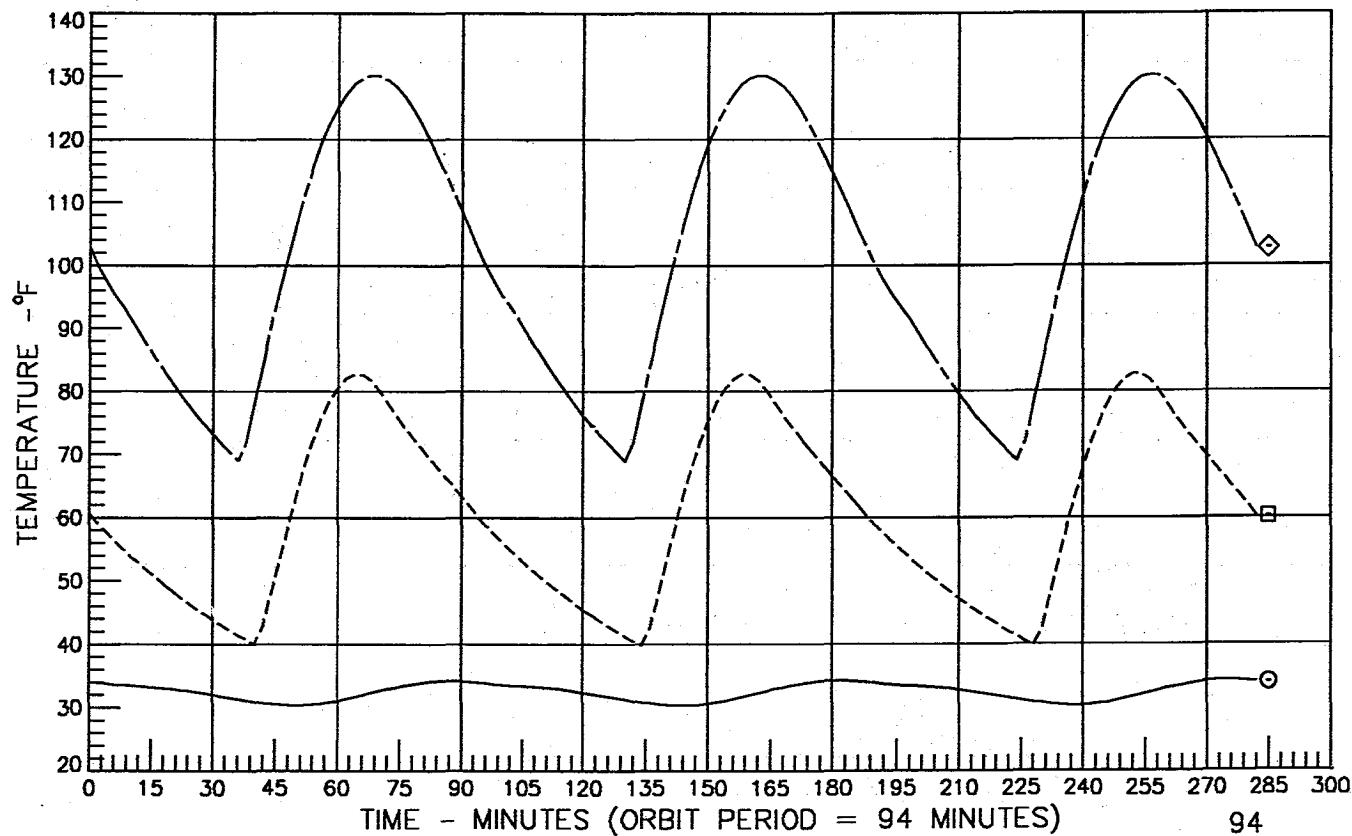
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

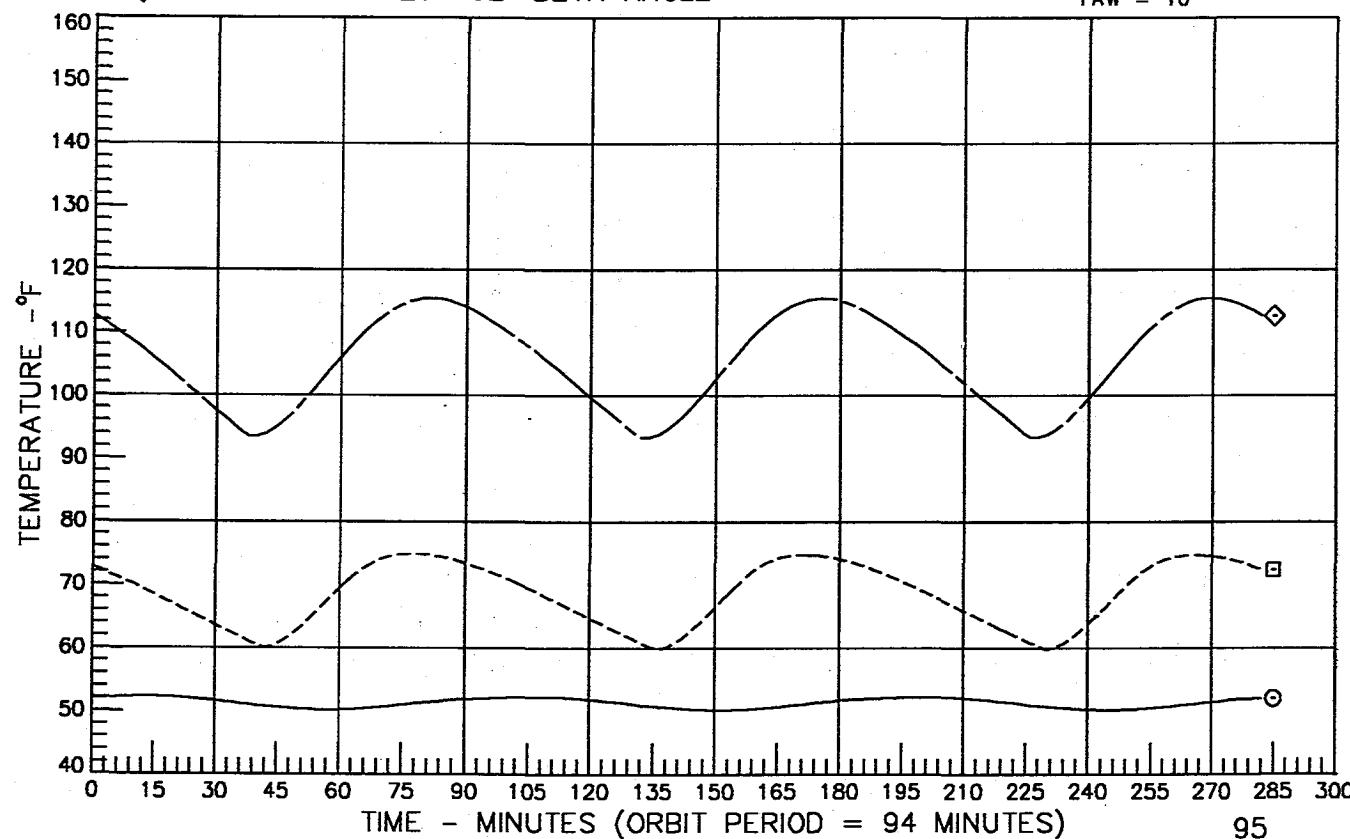
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B8 - TRAY

○——— 20 +52° BETA ANGLE  
□----- 20 0° BETA ANGLE  
◊----- 20 -52° BETA ANGLE

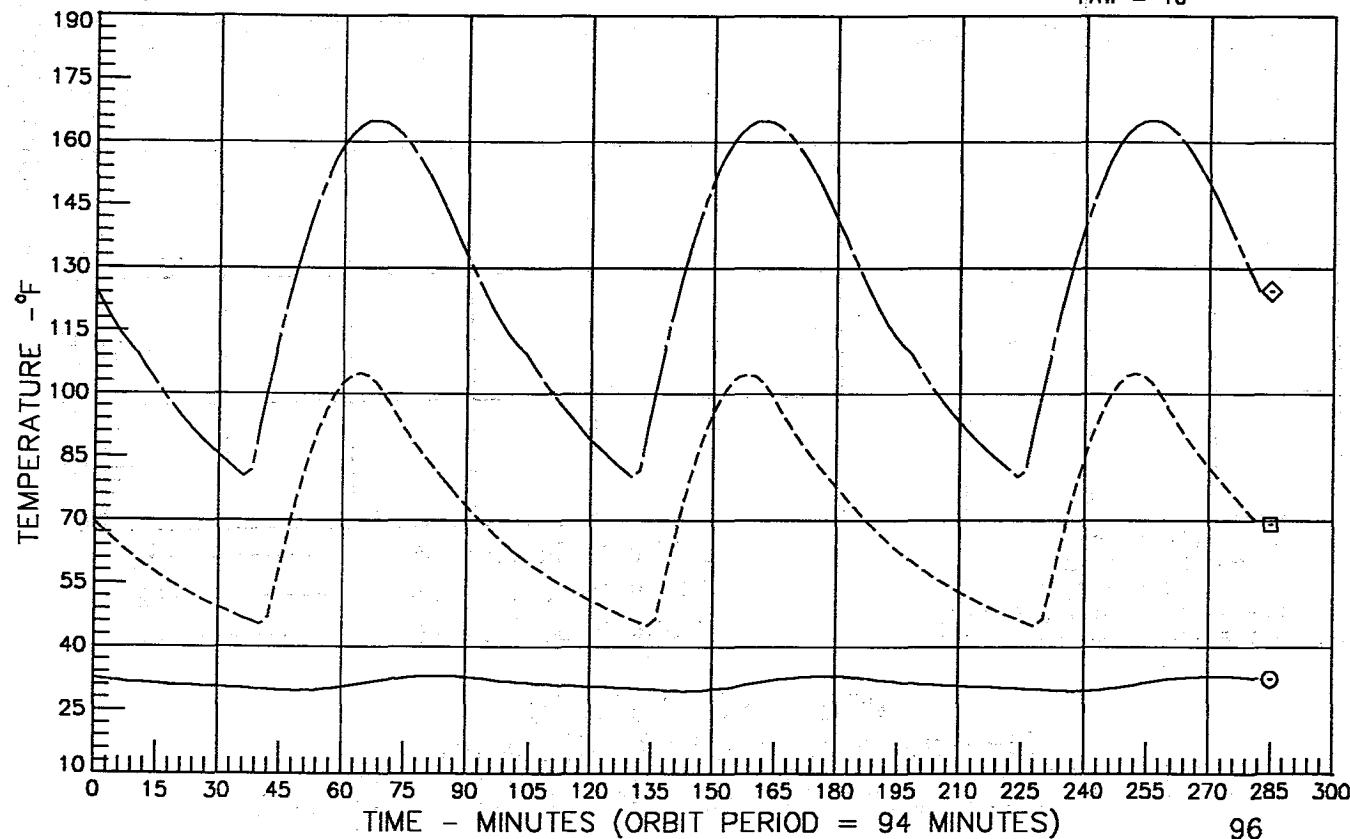
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B8 - SURFACE

○——— 110 +52° BETA ANGLE  
□----- 110 0° BETA ANGLE  
◇----- 110 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C8 - TRAY

○----- 32 +52° BETA ANGLE

□----- 32 0° BETA ANGLE

◇----- 32 -52° BETA ANGLE

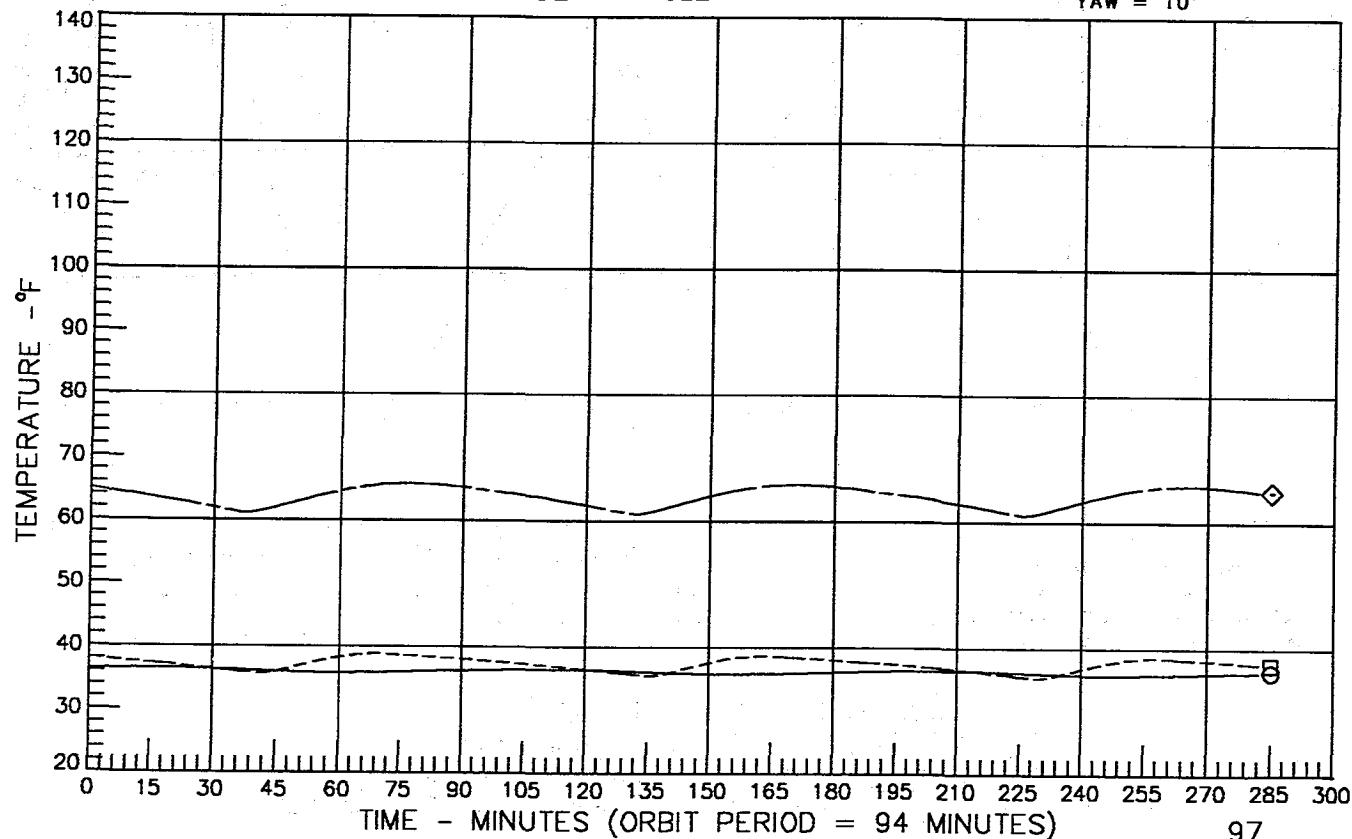
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

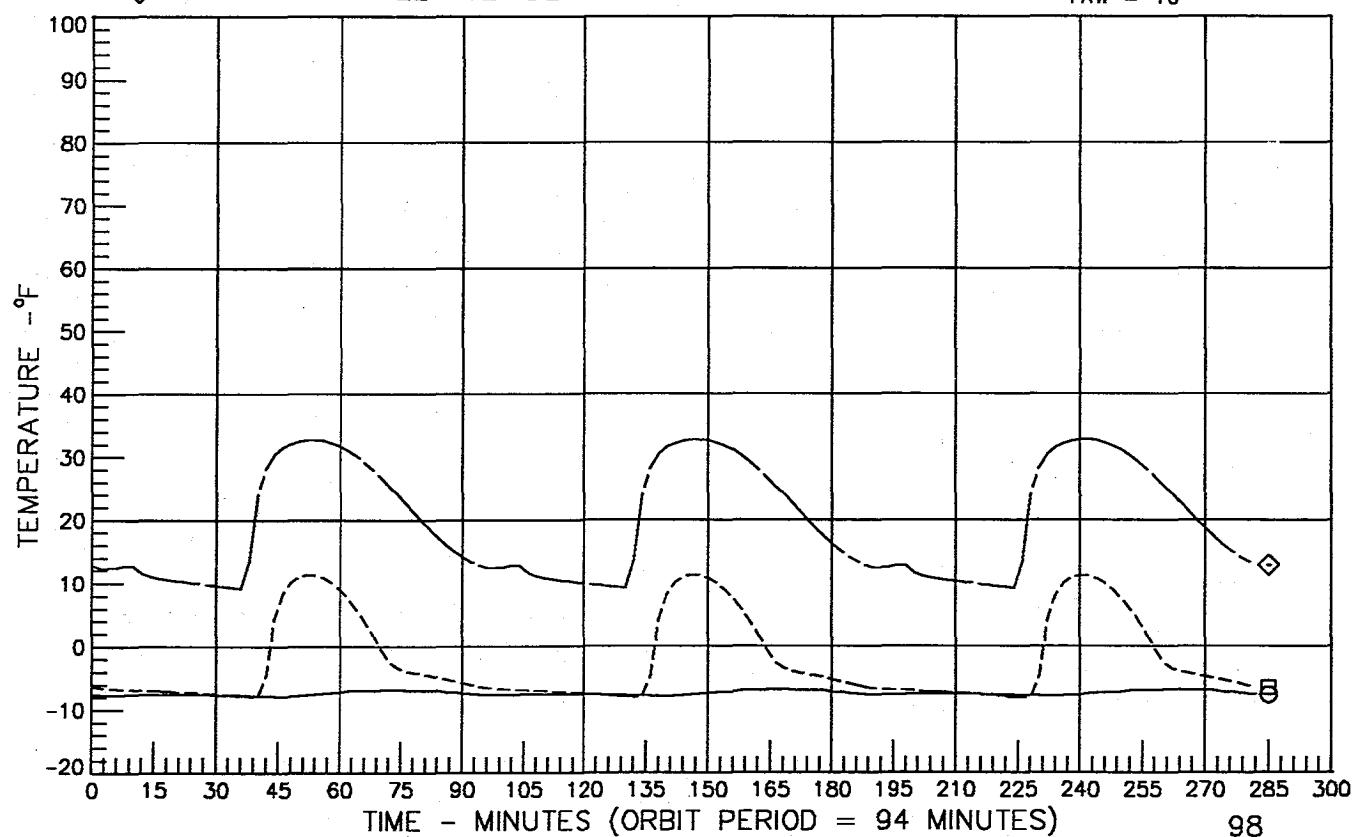
YAW = 10°



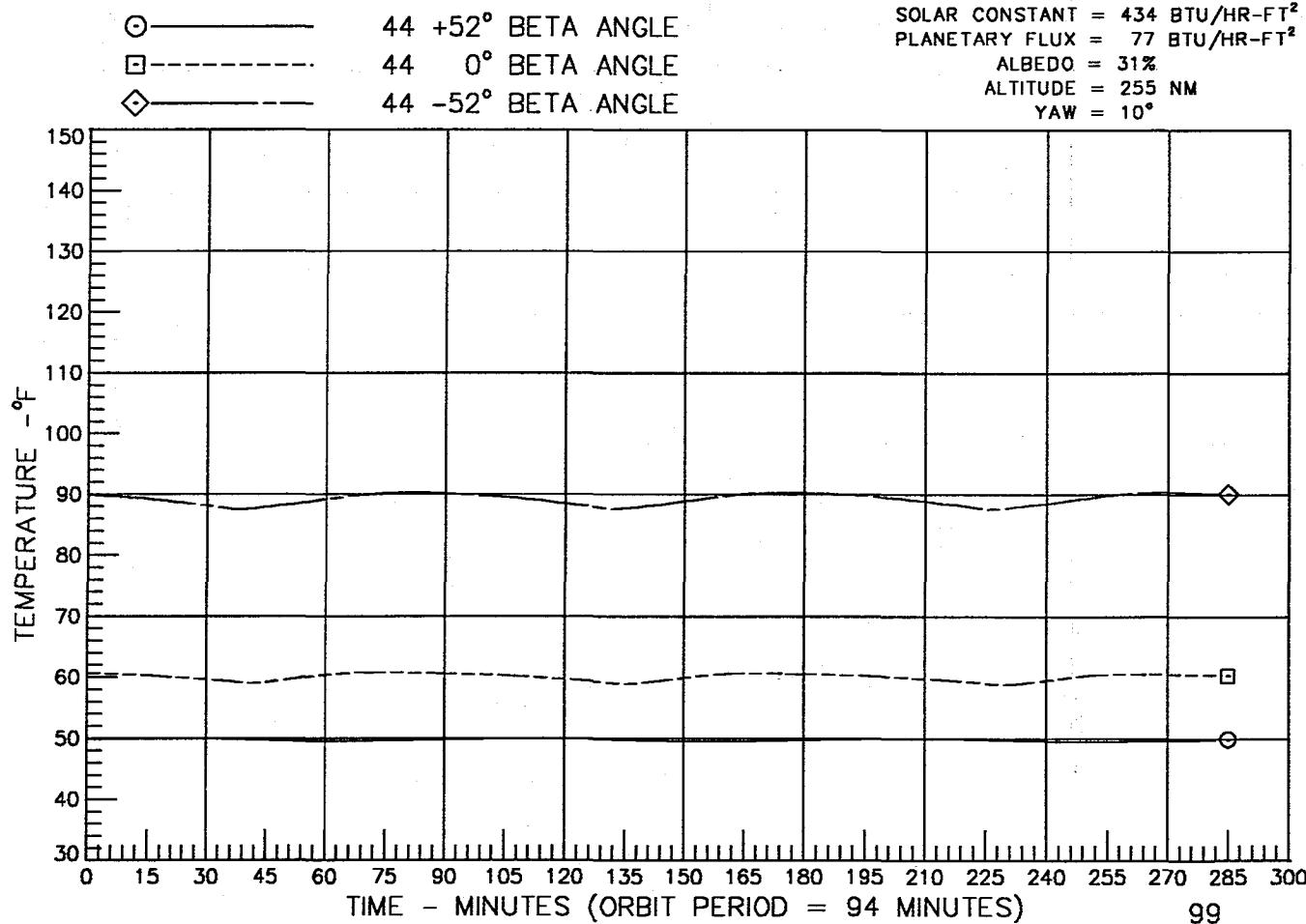
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C8 - SURFACE

○——— 122 +52° BETA ANGLE  
□----- 122 0° BETA ANGLE  
◇----- 122 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



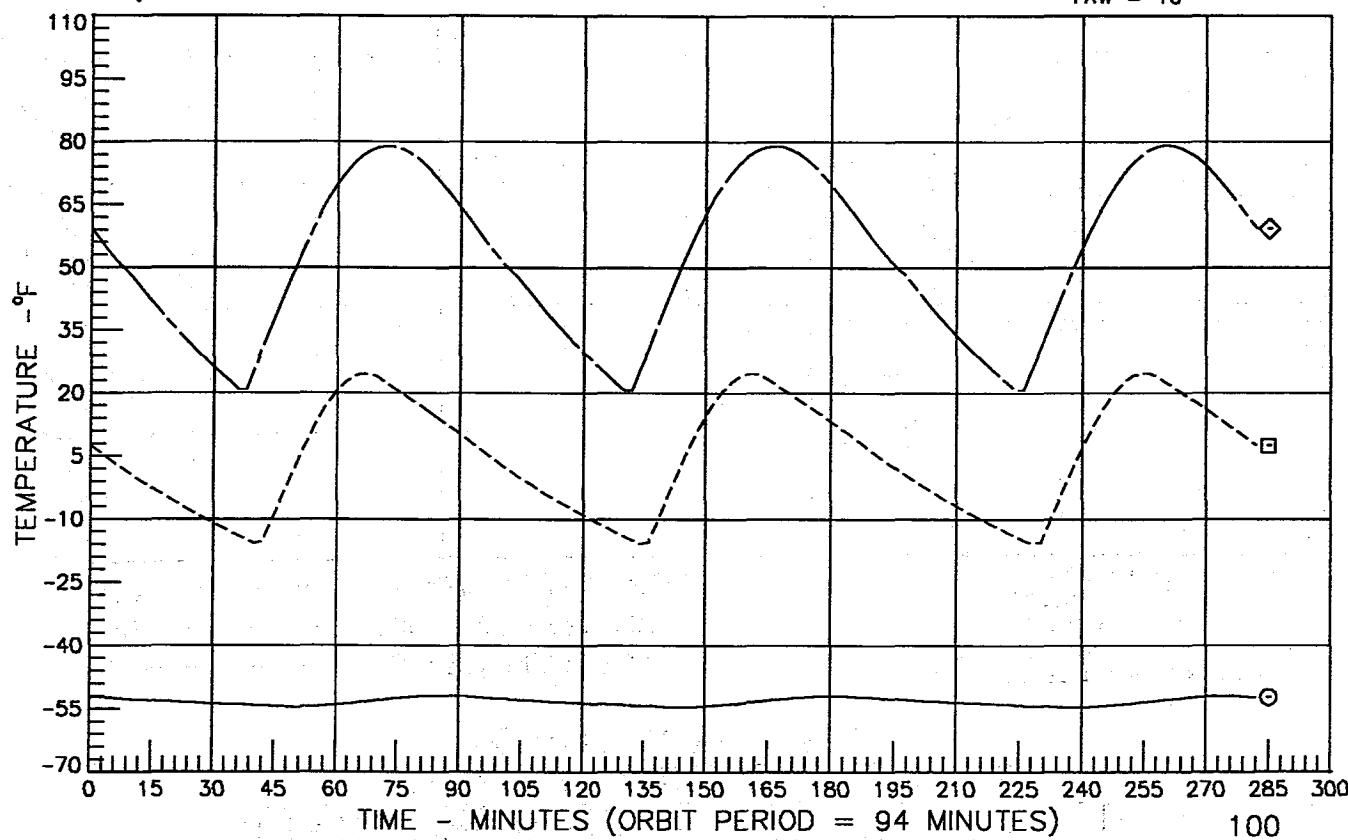
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D8 - TRAY



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D8 - SURFACE

○ ————— 134 +52° BETA ANGLE  
□ ----- 134 0° BETA ANGLE  
◊ ----- 134 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E8 - TRAY

○ -----

56 +52° BETA ANGLE

◻ -----

56 0° BETA ANGLE

◇ -----

56 -52° BETA ANGLE

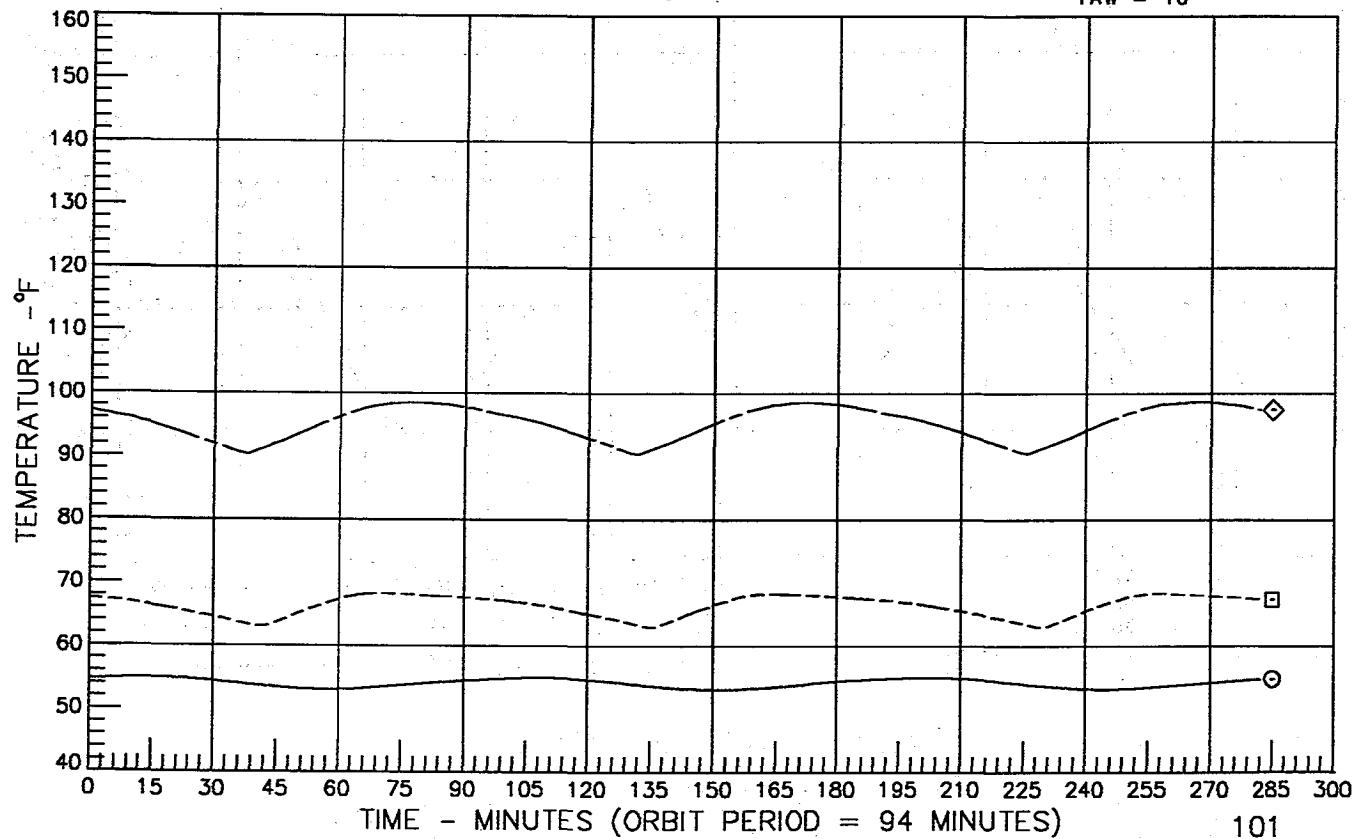
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

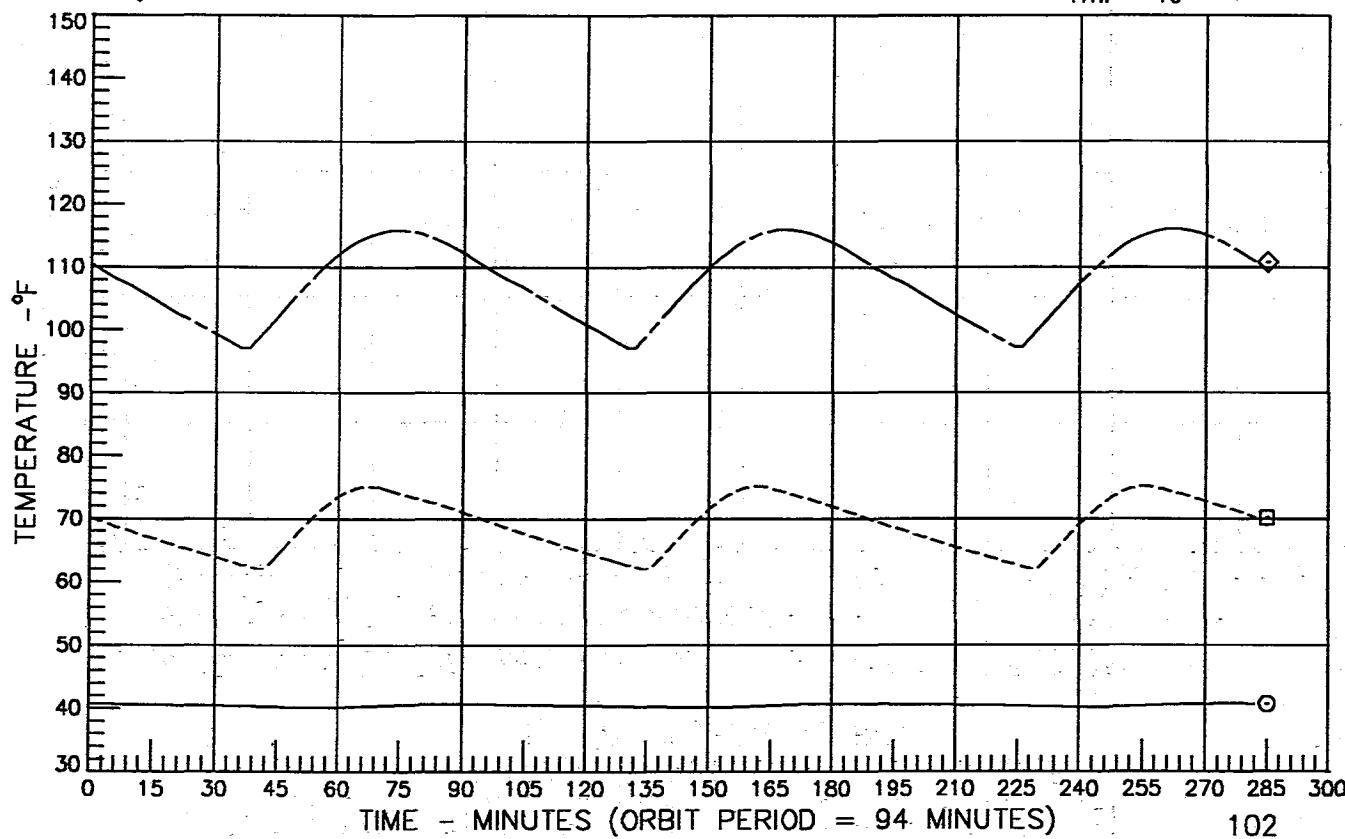
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E8 - SURFACE

- ————— 146 +52° BETA ANGLE
- ----- 146 0° BETA ANGLE
- ◊ ----- 146 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: F8 - TRAY

○ ----- 68 +52° BETA ANGLE

□ ----- 68 0° BETA ANGLE

◊ ----- 68 -52° BETA ANGLE

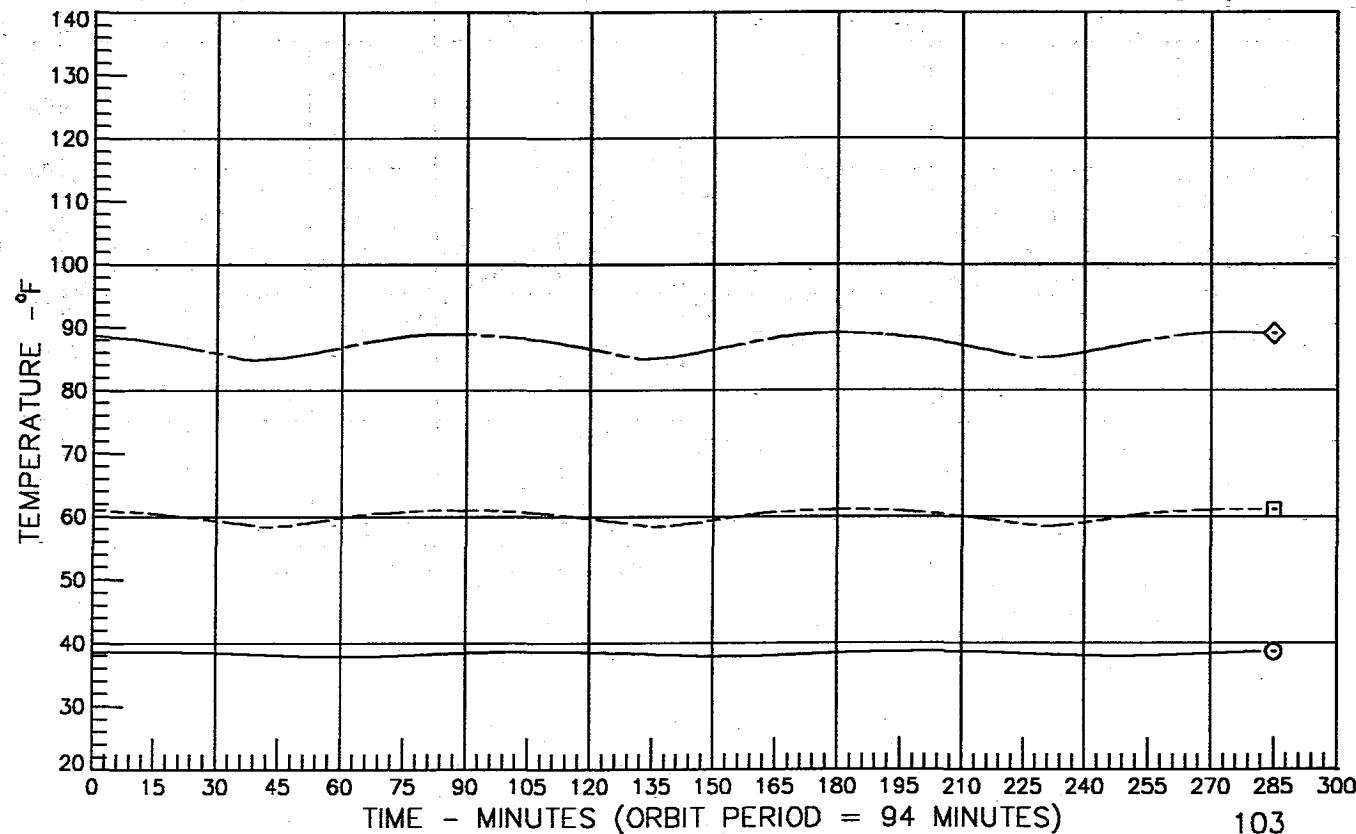
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

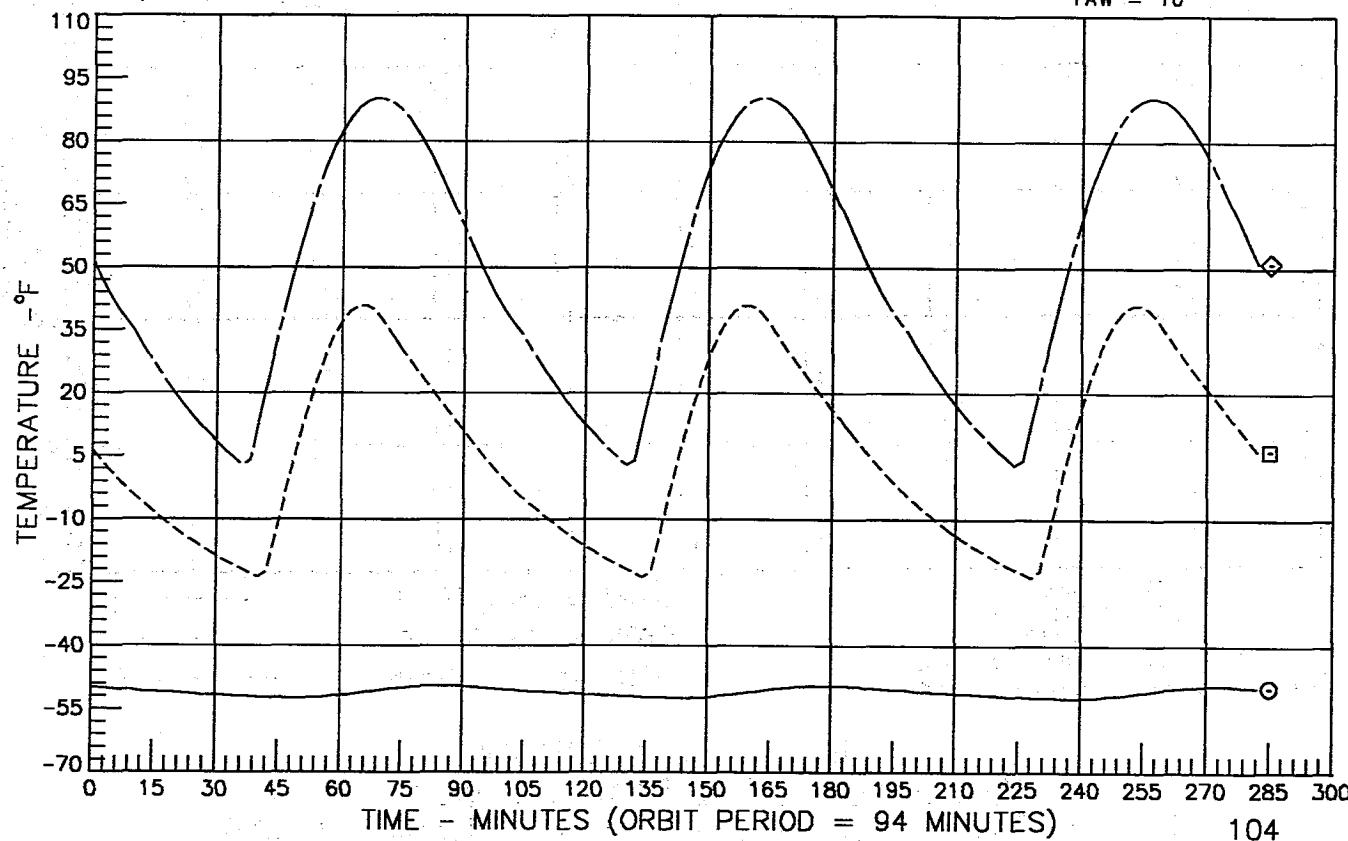
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: F8 - SURFACE

○——— 158 +52° BETA ANGLE  
□----- 158 0° BETA ANGLE  
◇----- 158 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A9 - TRAY

○-----

9 +52° BETA ANGLE

◻-----

9 0° BETA ANGLE

◇-----

9 -52° BETA ANGLE

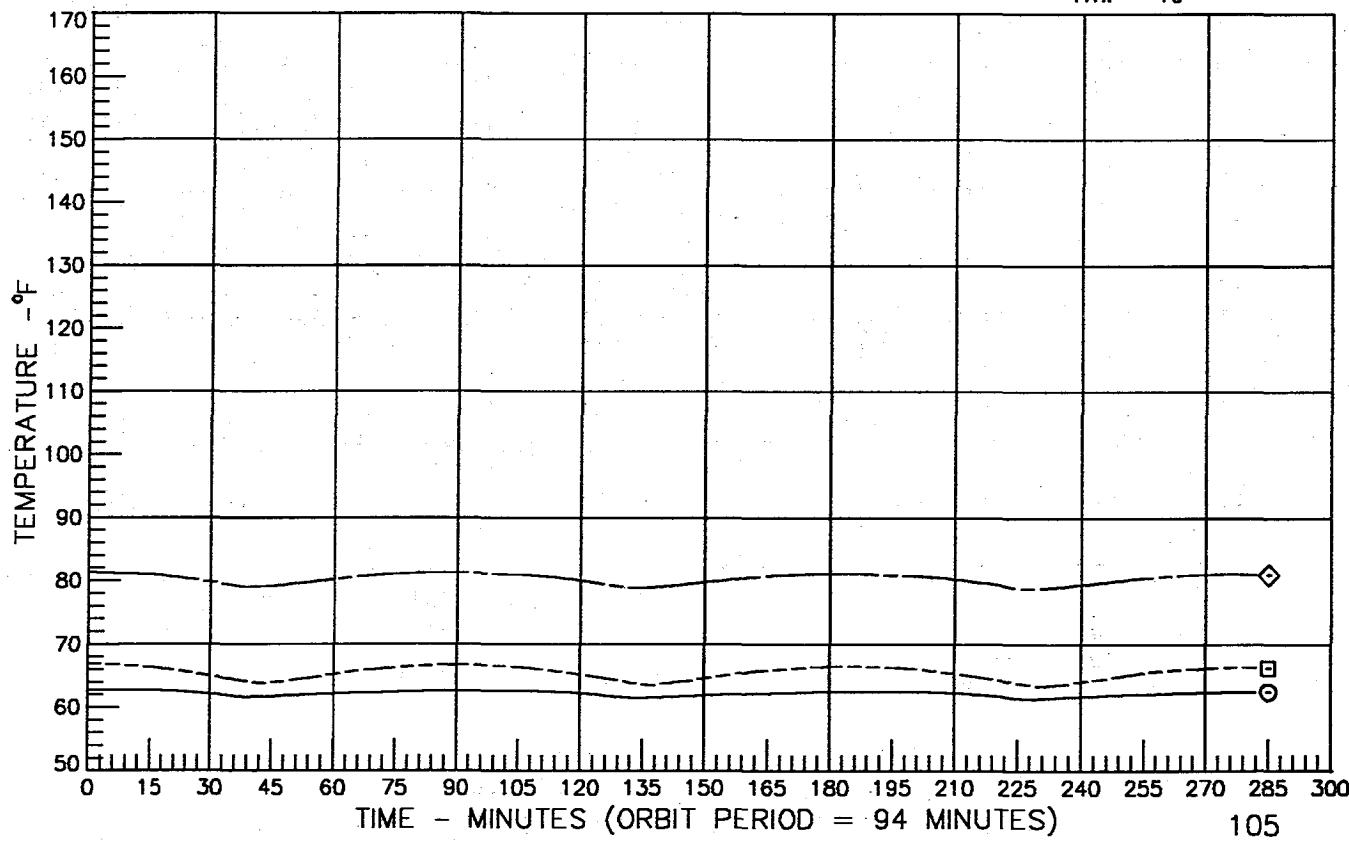
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

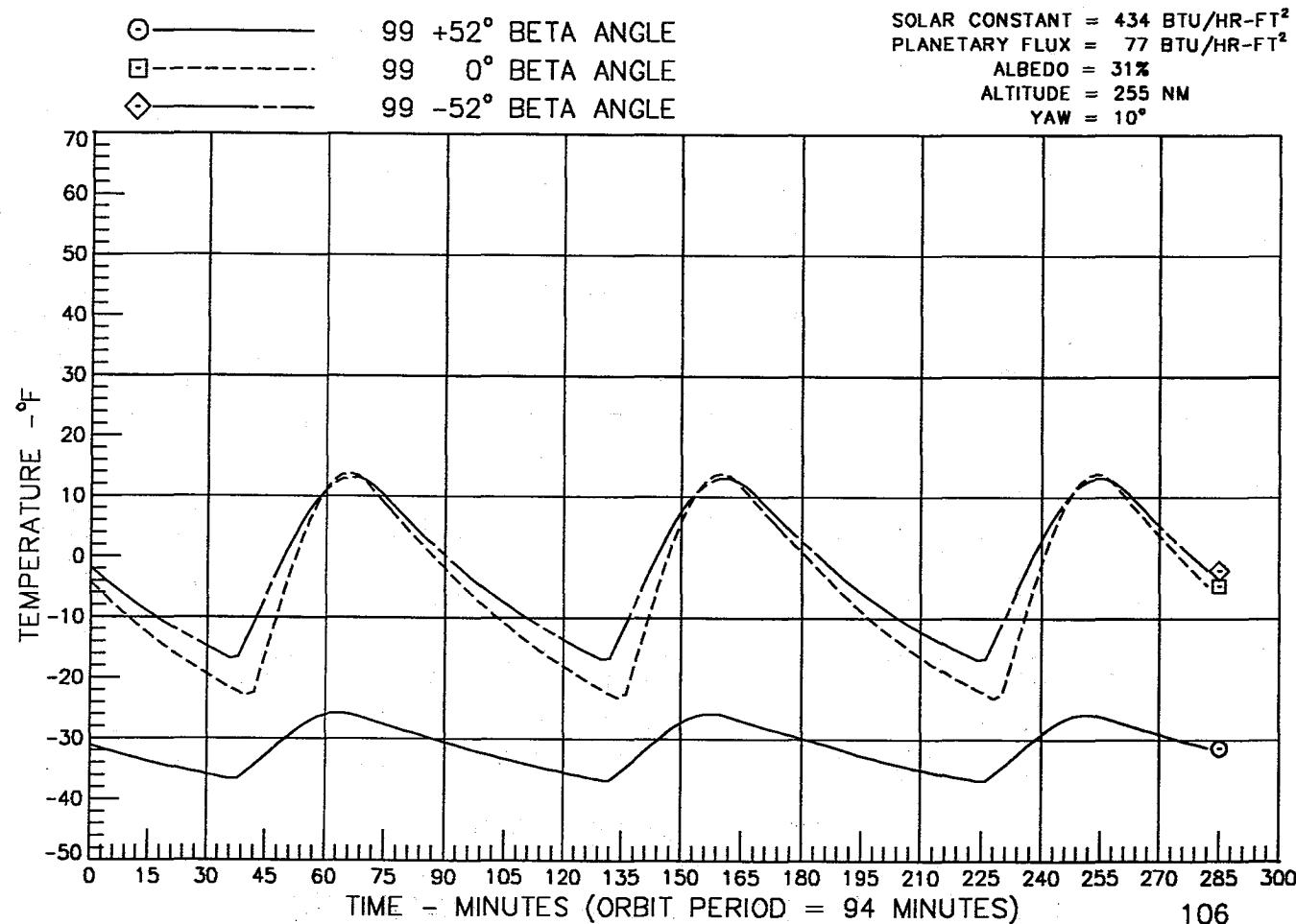
ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



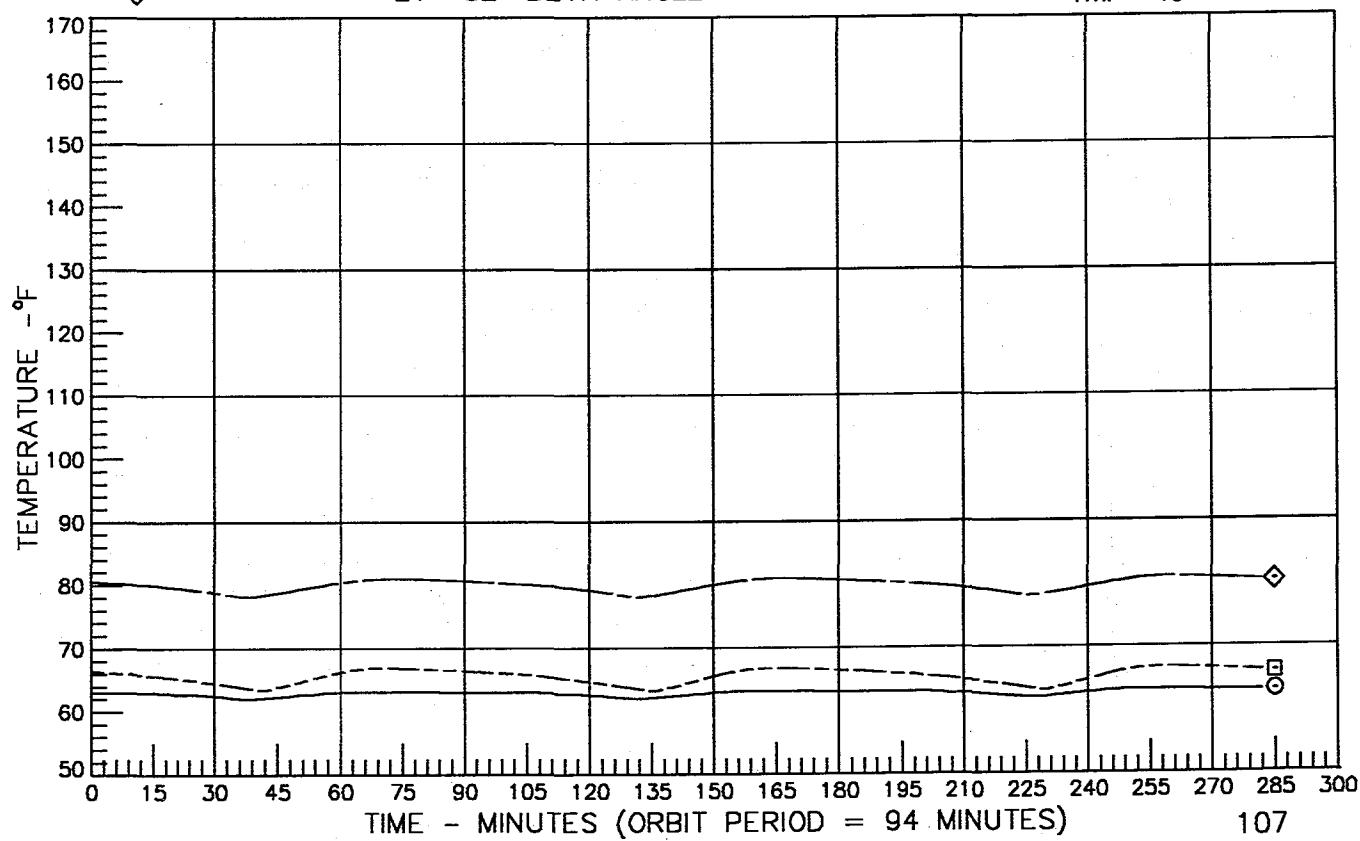
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A9 - SURFACE



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B9 - TRAY

○——— 21 +52° BETA ANGLE  
□----- 21 0° BETA ANGLE  
◊----- 21 -52° BETA ANGLE

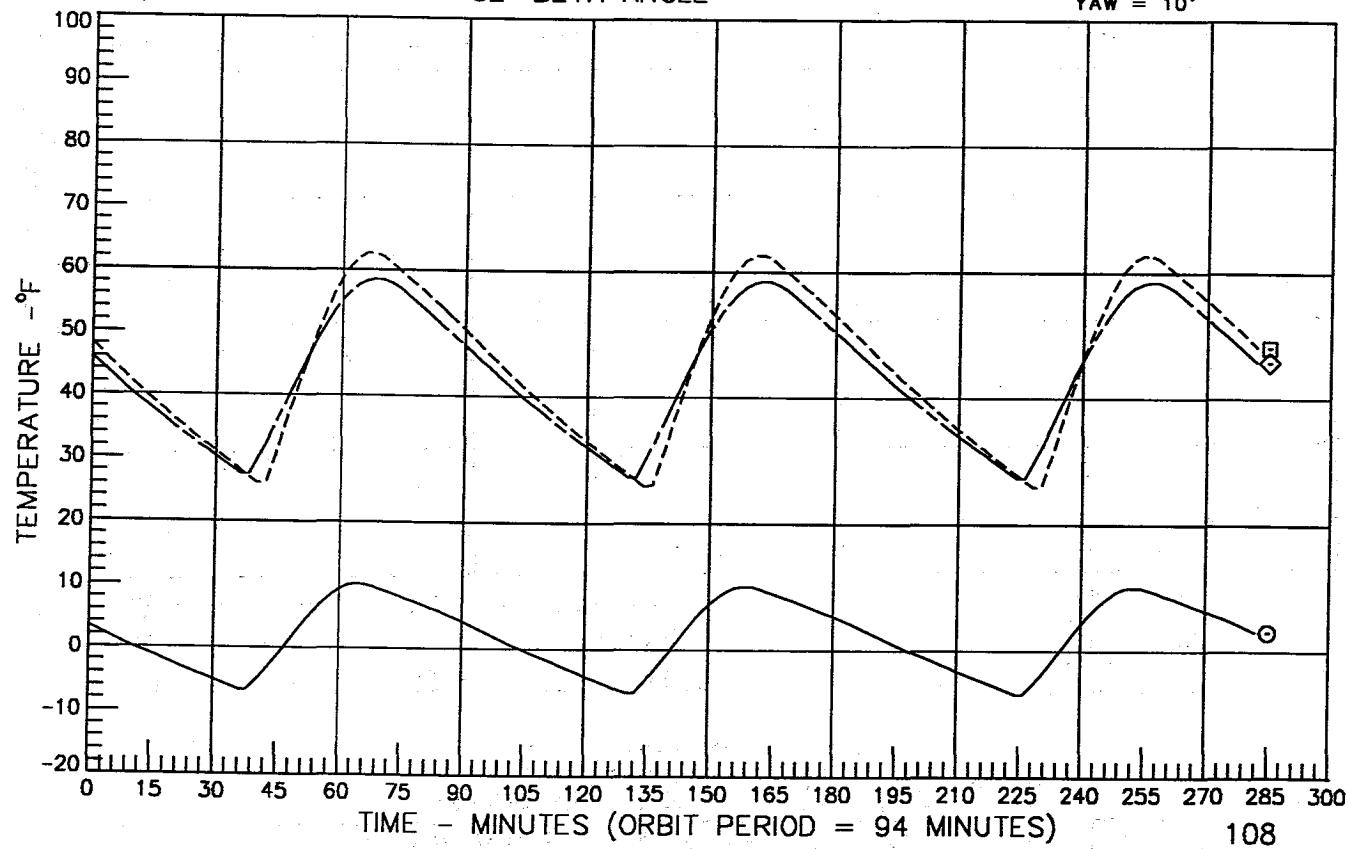
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B9 - SURFACE

○——— 111 +52° BETA ANGLE  
□----- 111 0° BETA ANGLE  
◊----- 111 -52° BETA ANGLE

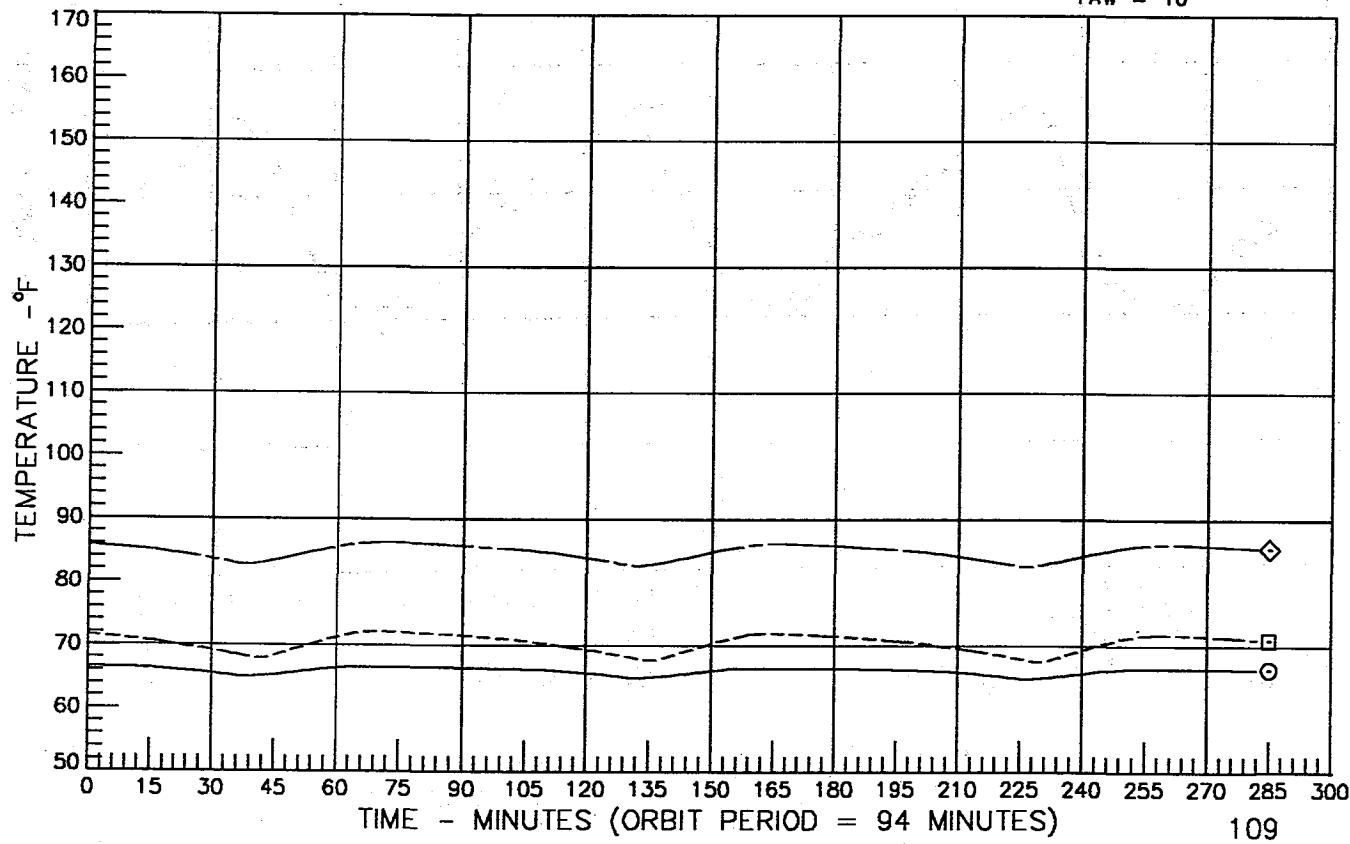
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C9 - TRAY

- ————— 33 +52° BETA ANGLE
- ----- 33 0° BETA ANGLE
- ◊ ----- 33 -52° BETA ANGLE

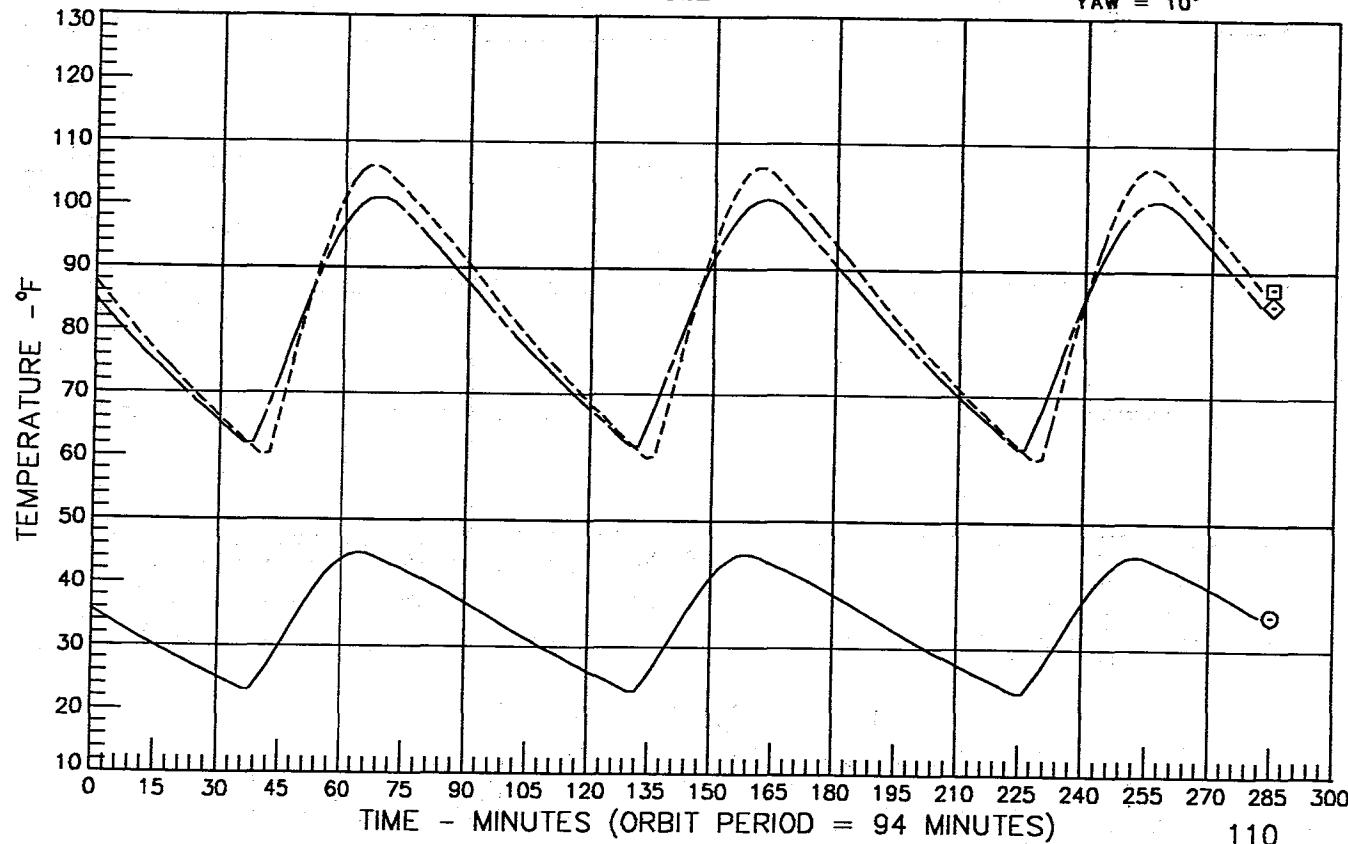
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C9 - SURFACE

○——— 123 +52° BETA ANGLE  
□----- 123 0° BETA ANGLE  
◊----- 123 -52° BETA ANGLE

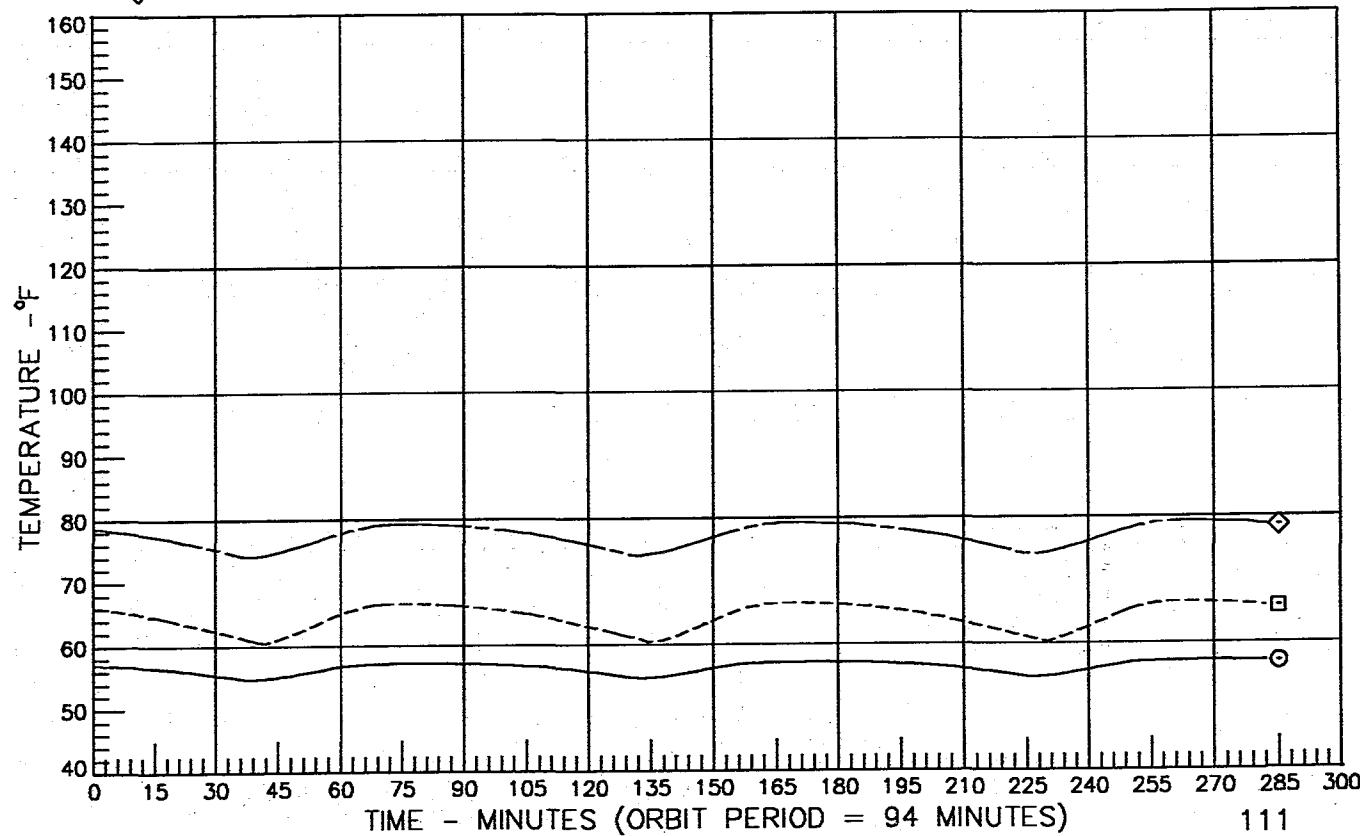
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D9 - TRAY

○——— 45 +52° BETA ANGLE  
□----- 45 0° BETA ANGLE  
◊----- 45 -52° BETA ANGLE

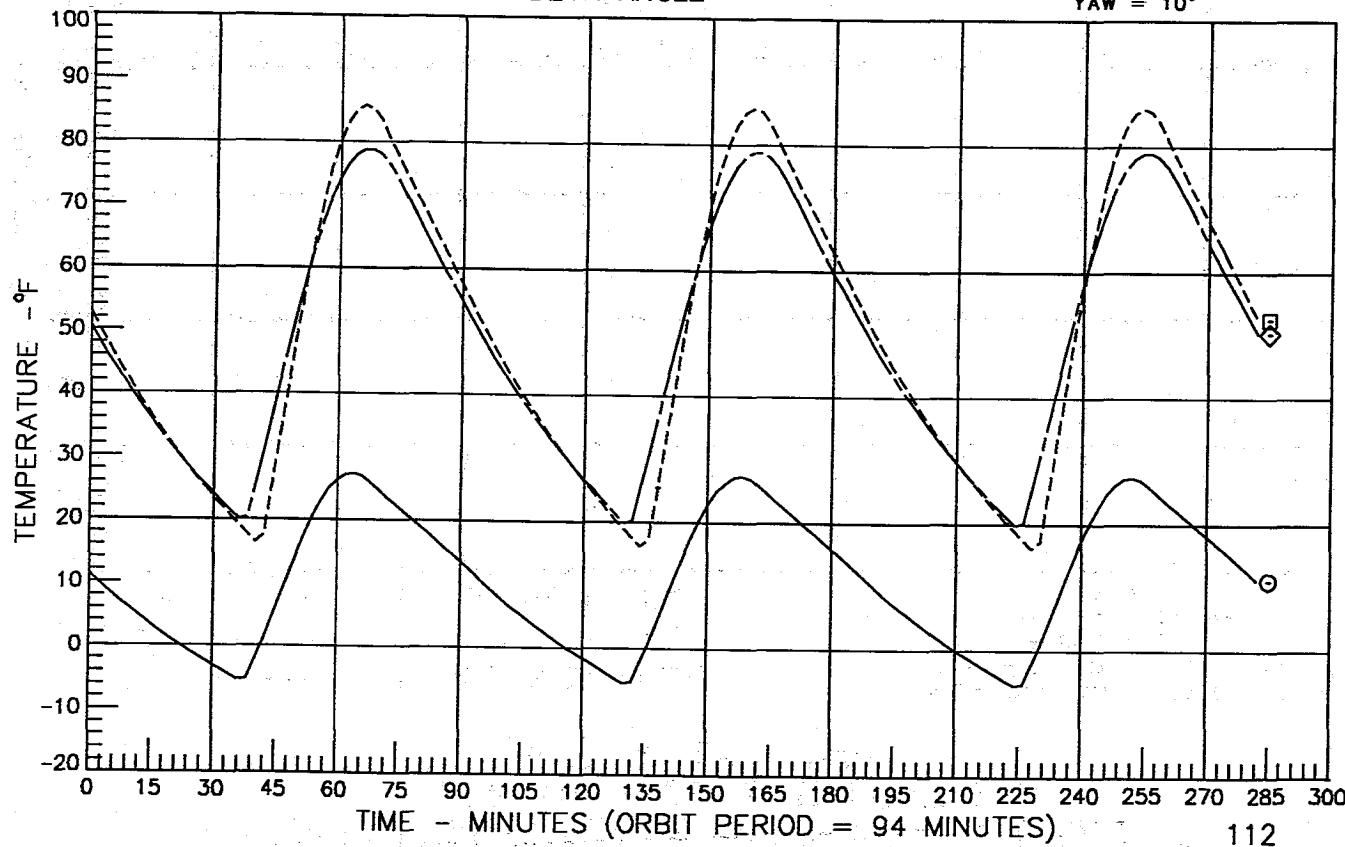
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D9 - SURFACE

○ — 135 +52° BETA ANGLE  
□ — 135 0° BETA ANGLE  
◊ — 135 -52° BETA ANGLE

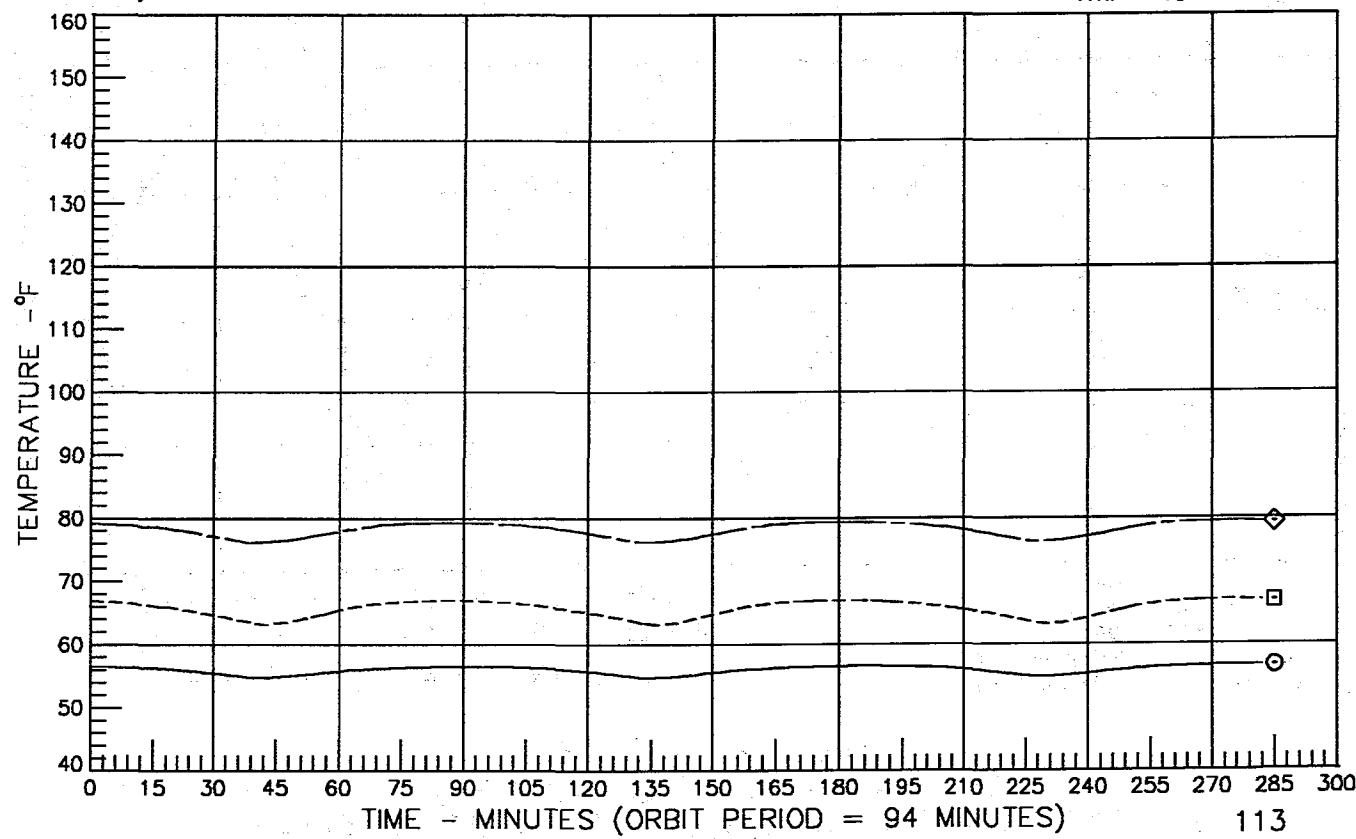
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



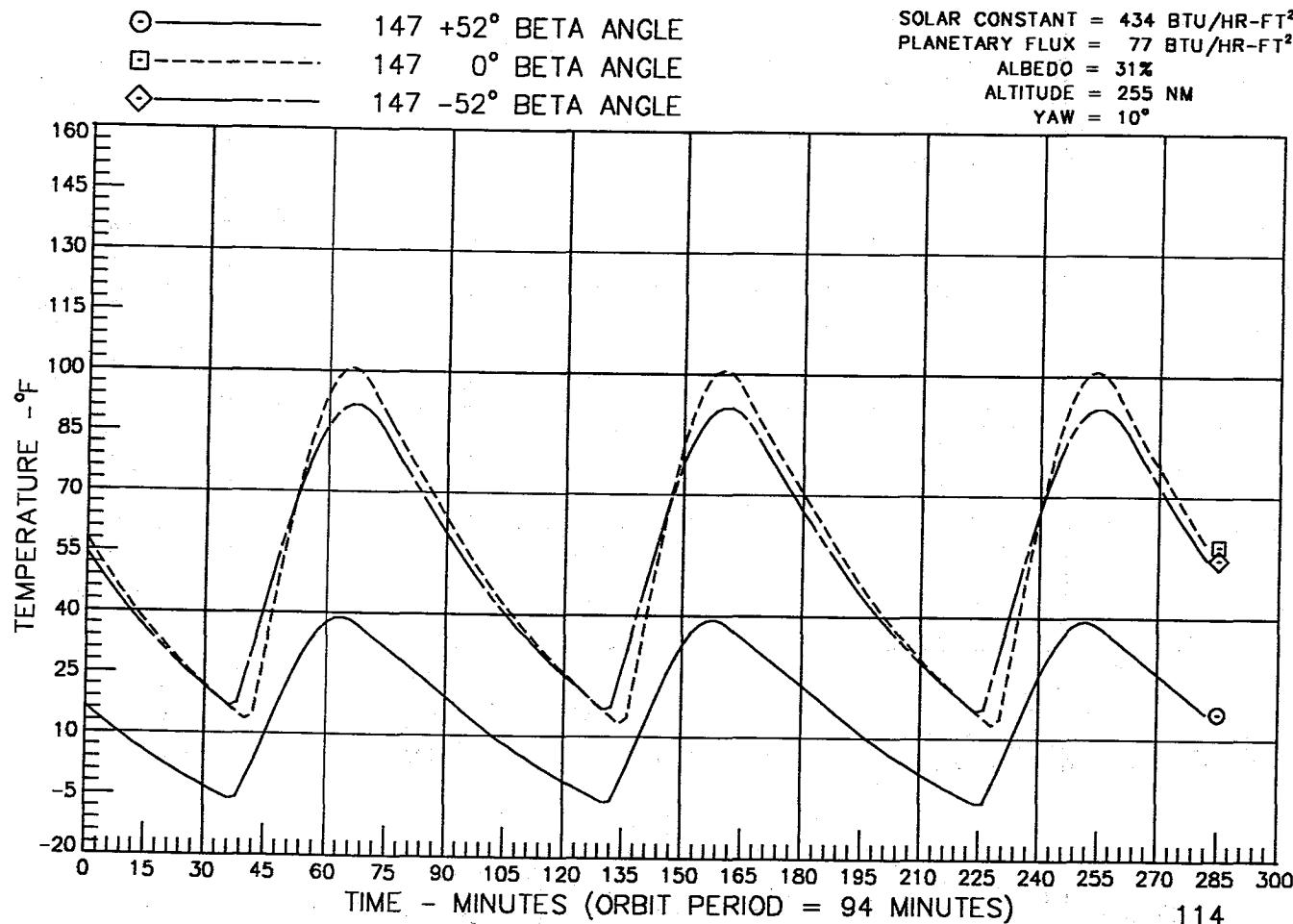
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E9 - TRAY

○ ————— 57 +52° BETA ANGLE  
□ ----- 57 0° BETA ANGLE  
◊ ----- 57 -52° BETA ANGLE

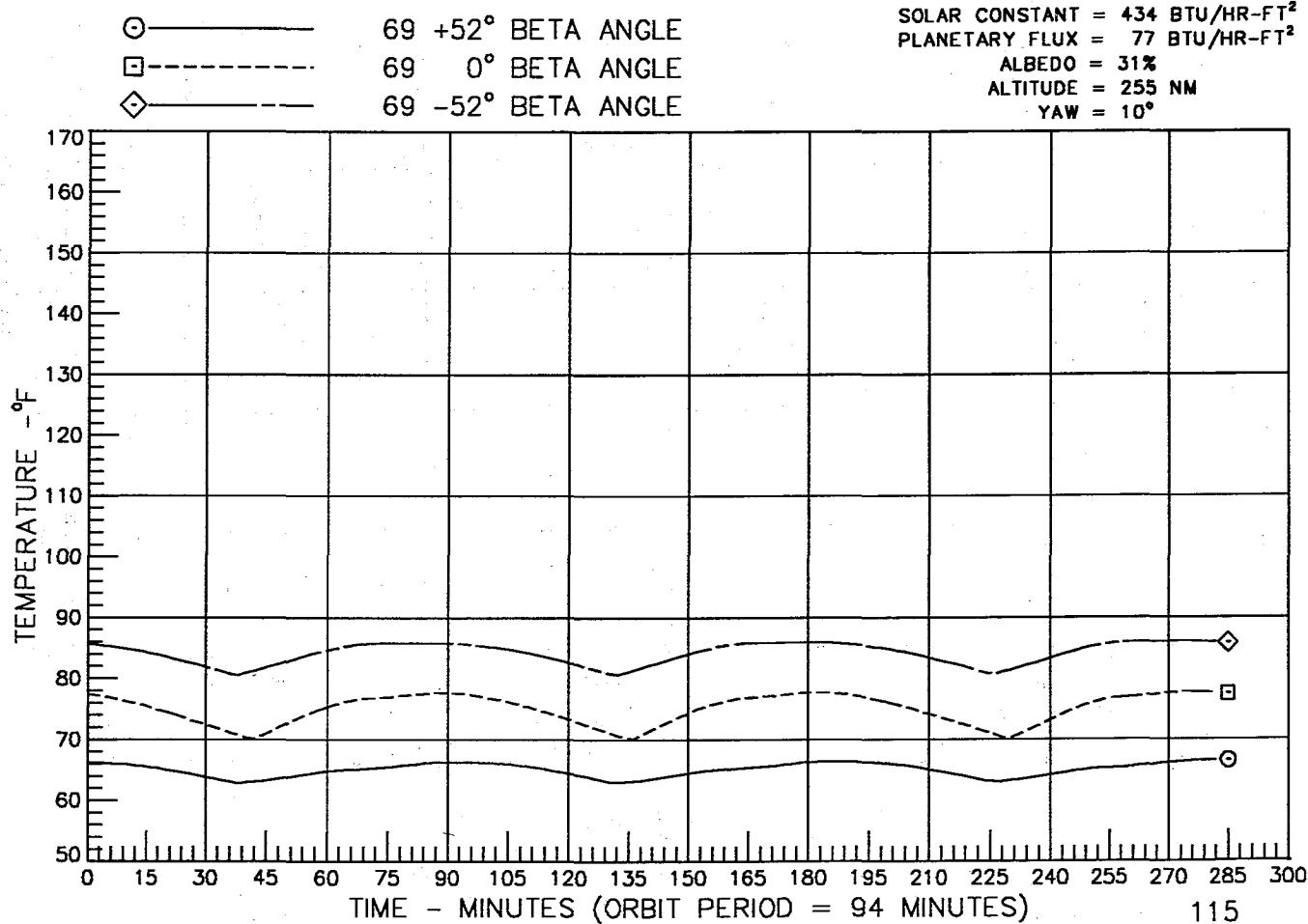
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



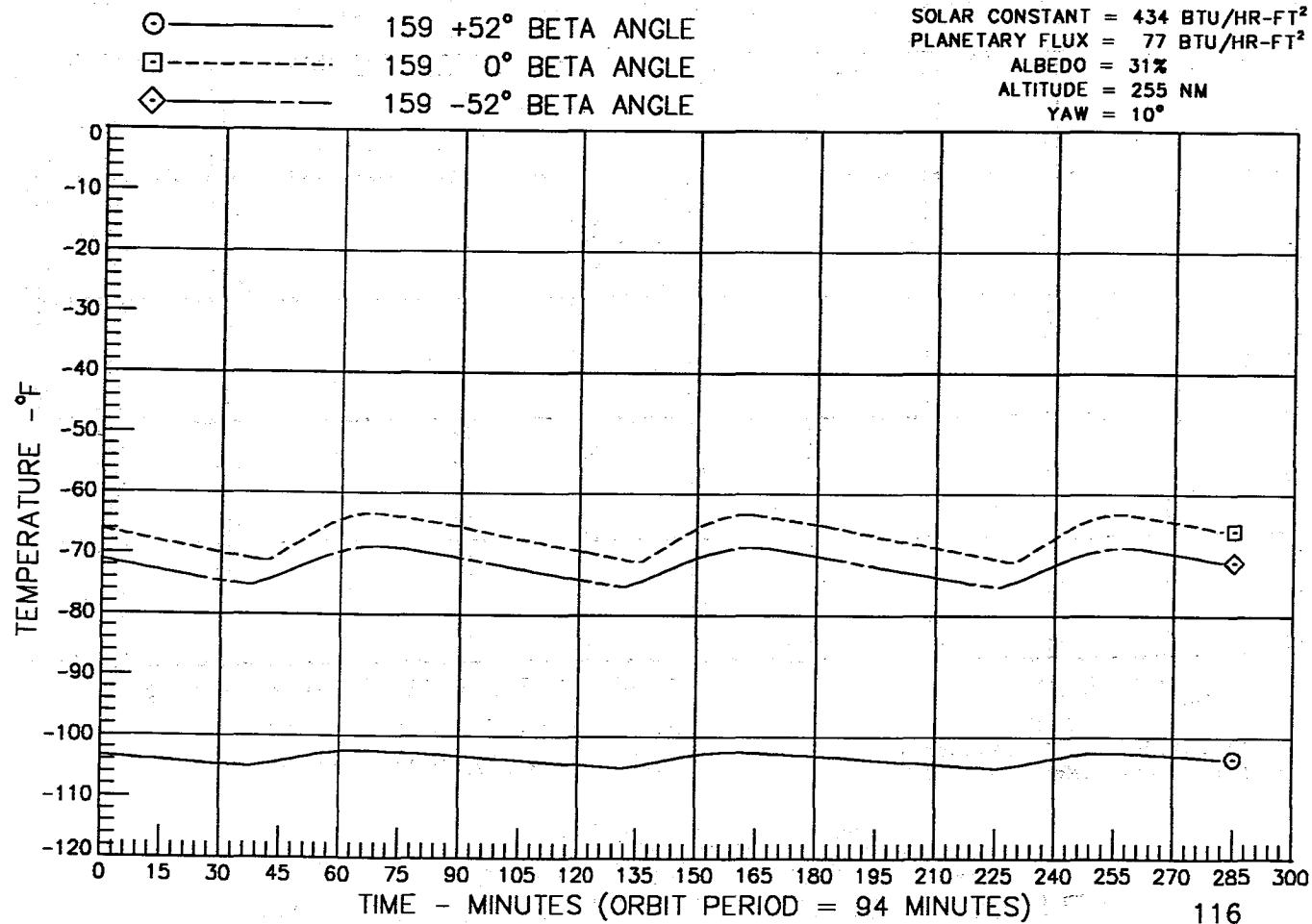
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E9 - SURFACE



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: F9 - TRAY



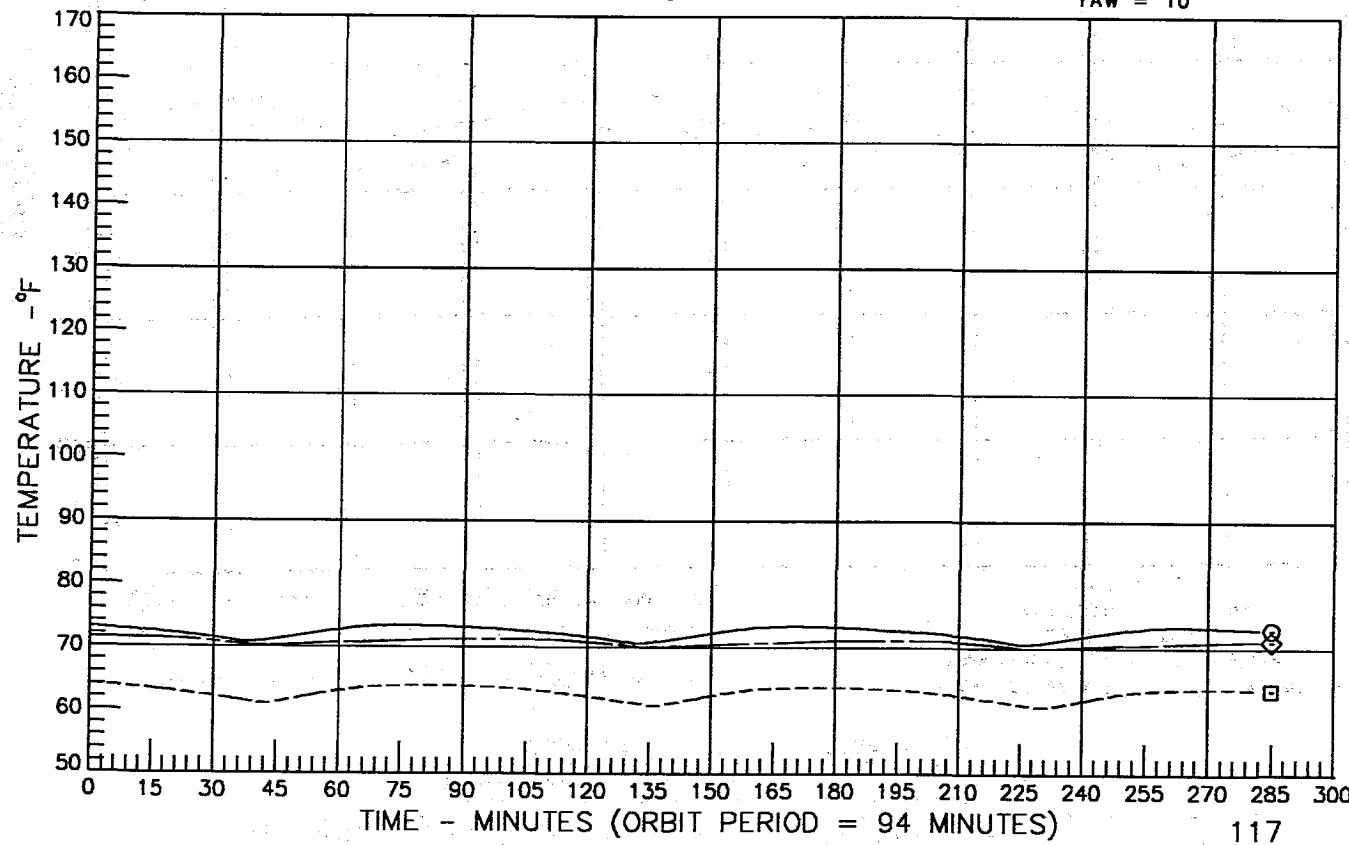
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: F9 - SURFACE



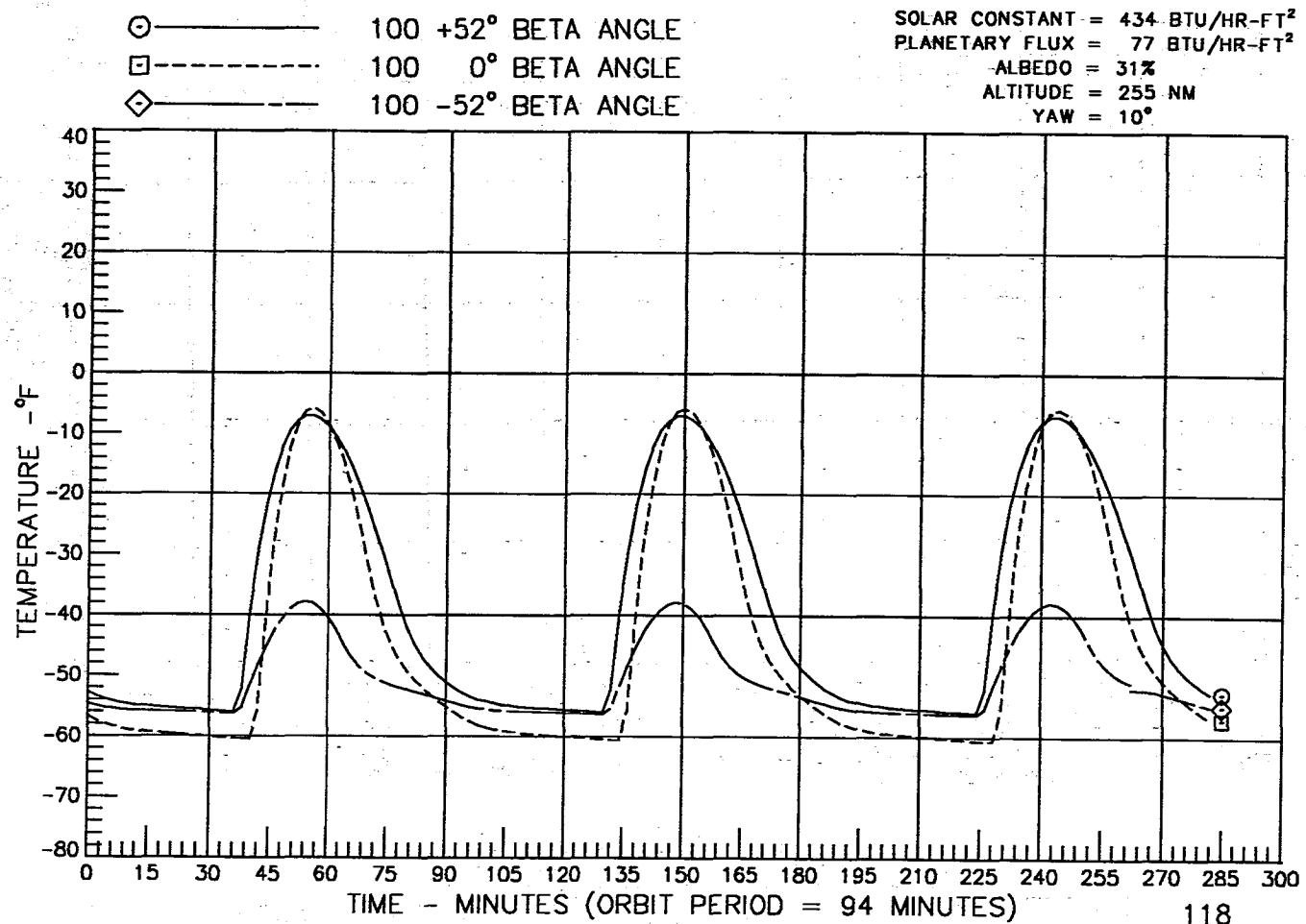
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A10 - TRAY

○——— 10 +52° BETA ANGLE  
□----- 10 0° BETA ANGLE  
◇----- 10 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A10 - SURFACE



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B10 - TRAY

○ ————— 22 +52° BETA ANGLE

□ - - - - - 22 0° BETA ANGLE

◊ ————— 22 -52° BETA ANGLE

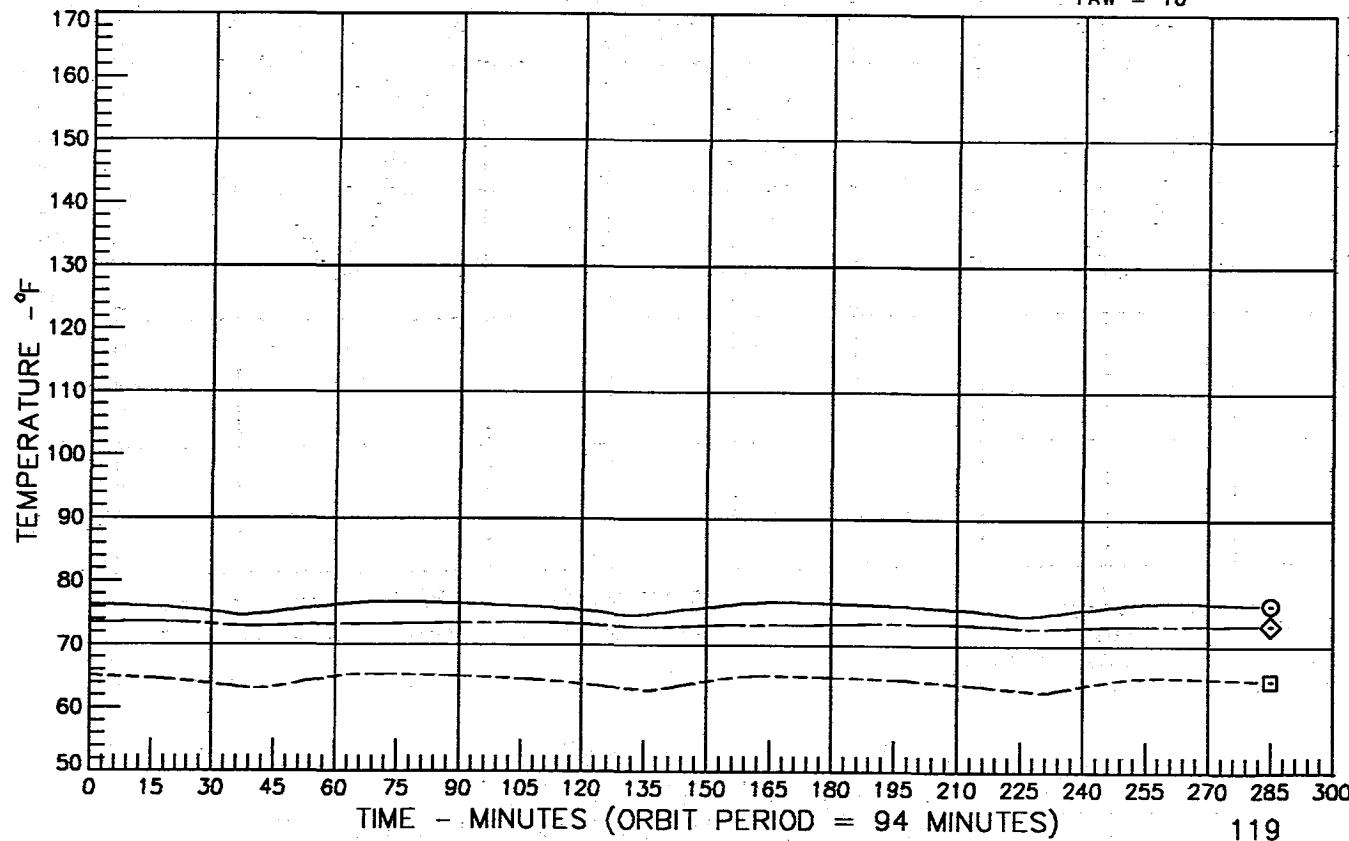
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B10 - SURFACE

○ ————— 112 +52° BETA ANGLE

□ ————— 112 0° BETA ANGLE

◊ ————— 112 -52° BETA ANGLE

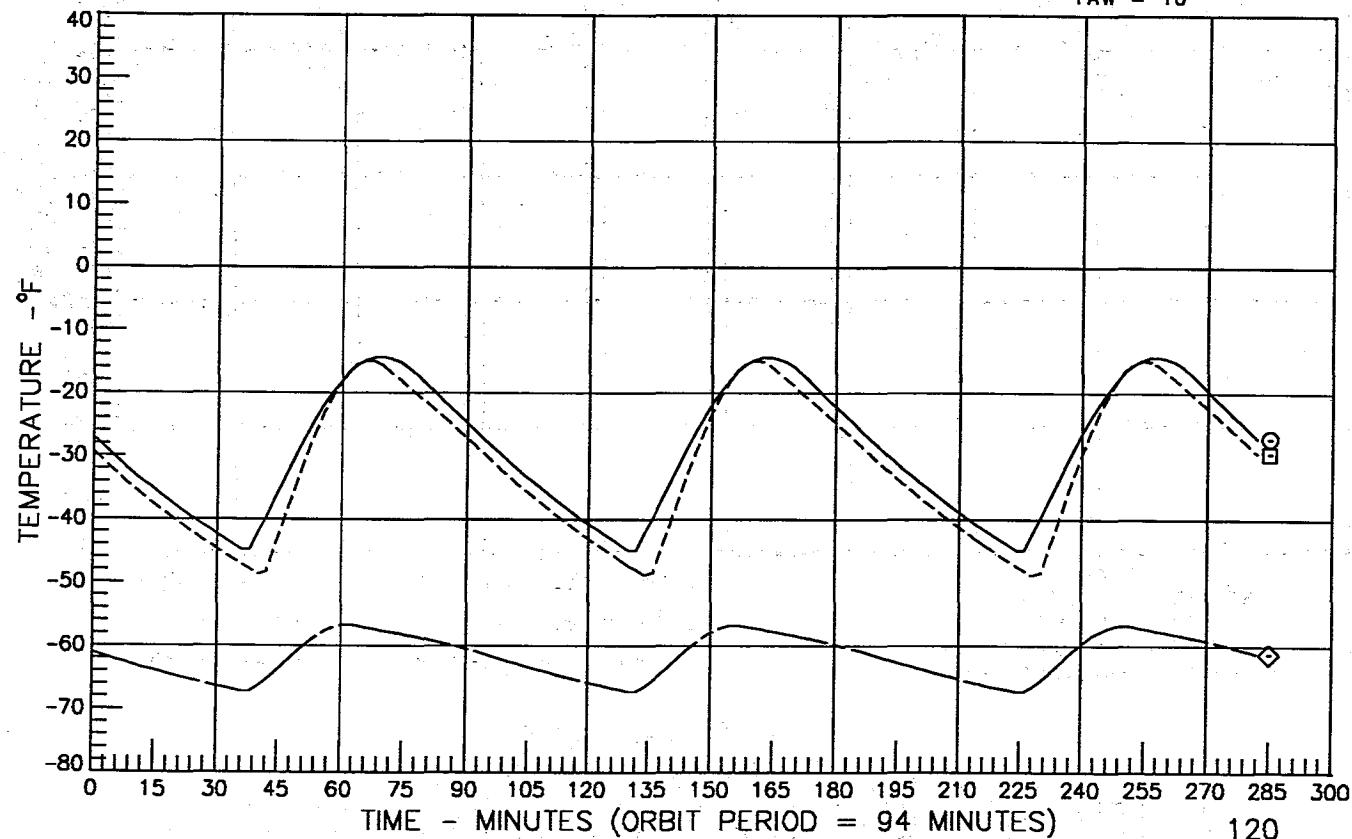
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

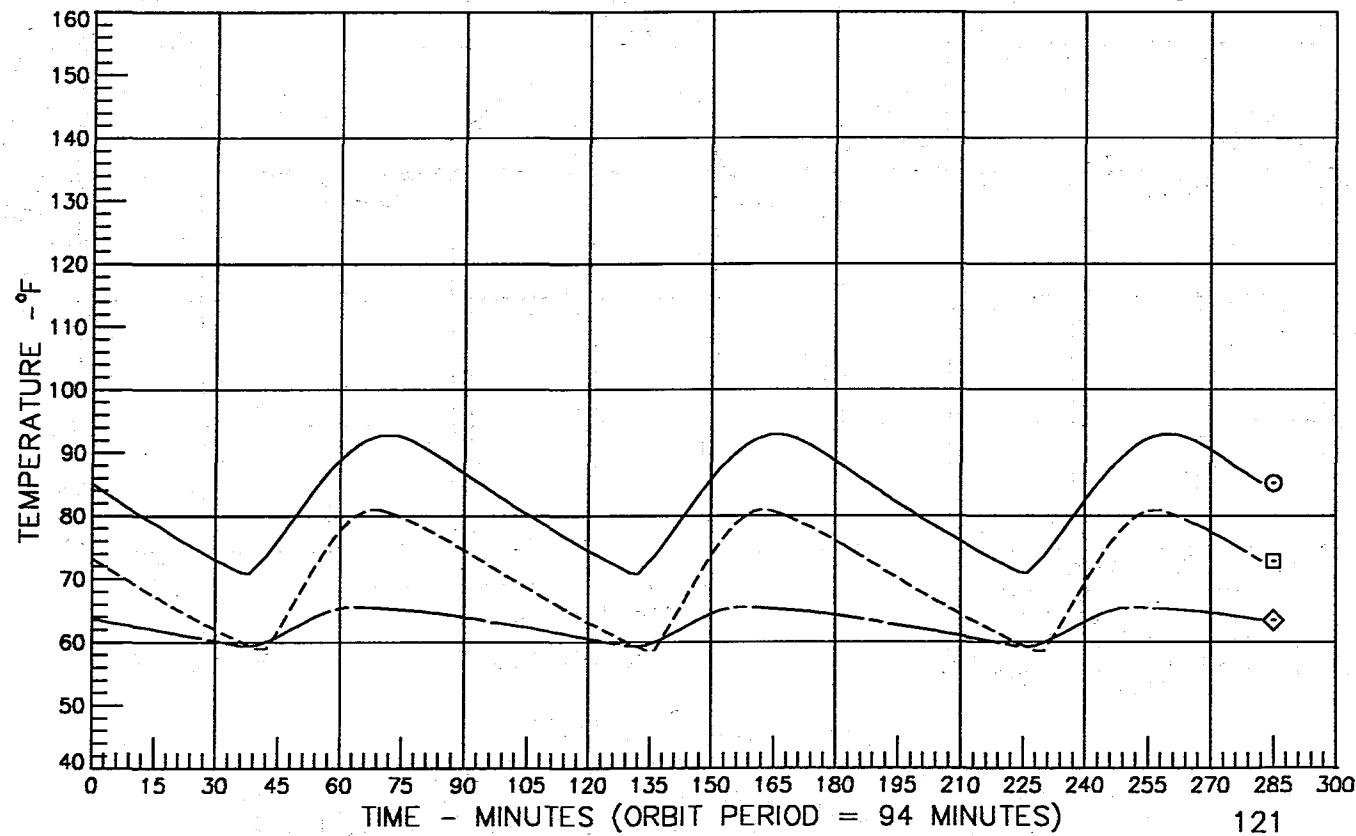
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C10 - TRAY

○——— 34 +52° BETA ANGLE  
□----- 34 0° BETA ANGLE  
◊----- 34 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C10 - SURFACE

○ ————— 124 +52° BETA ANGLE

□ ----- 124 0° BETA ANGLE

◊ ————— 124 -52° BETA ANGLE

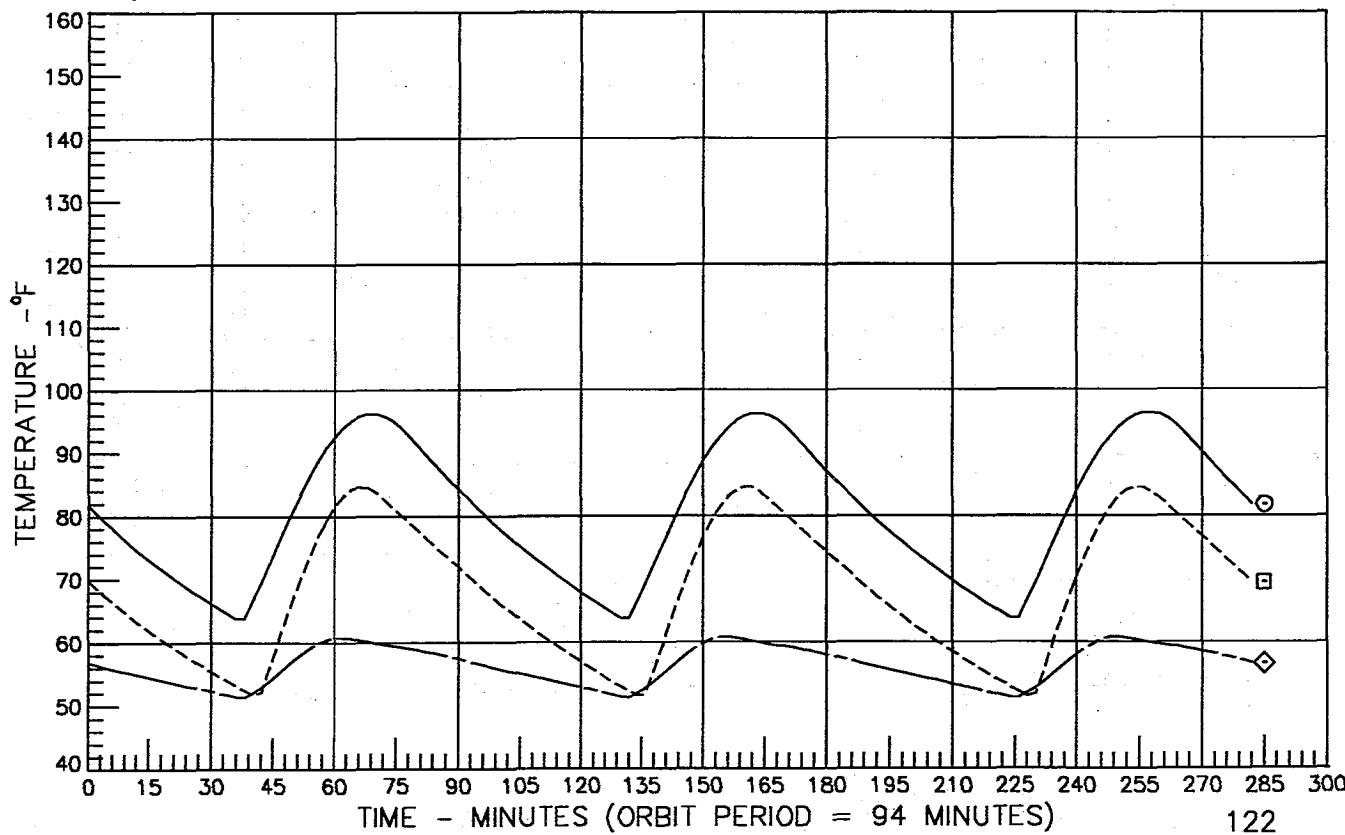
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

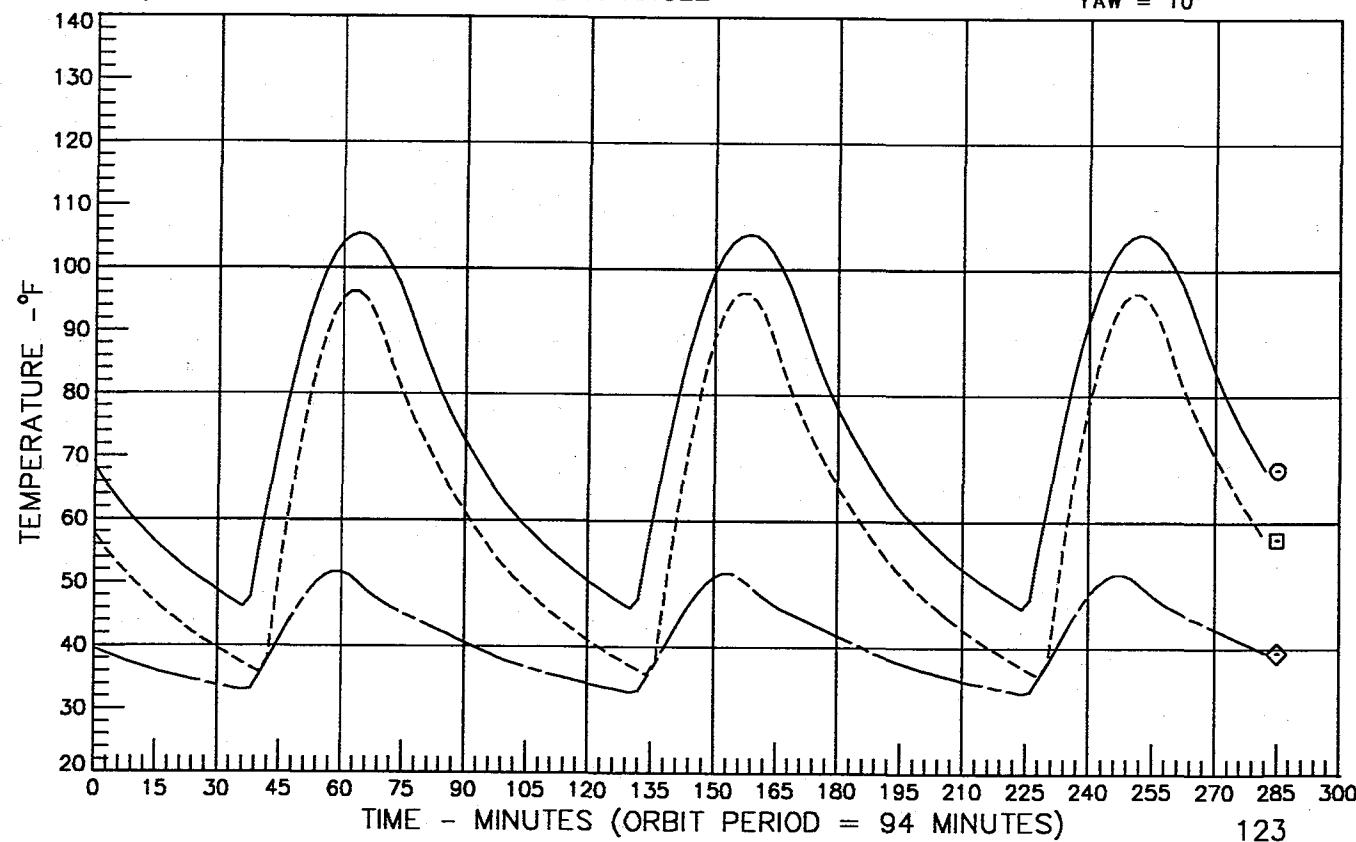
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
 TRANSIENT ORBITAL TEMPERATURES  
 LOCATION: C10 - SURFACE

○——— 275 +52° BETA ANGLE  
 □----- 275 0° BETA ANGLE  
 ◇----- 275 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
 PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
 ALBEDO = 31%  
 ALTITUDE = 255 NM  
 YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D10 - TRAY

○— 46 +52° BETA ANGLE

□--- 46 0° BETA ANGLE

◇— 46 -52° BETA ANGLE

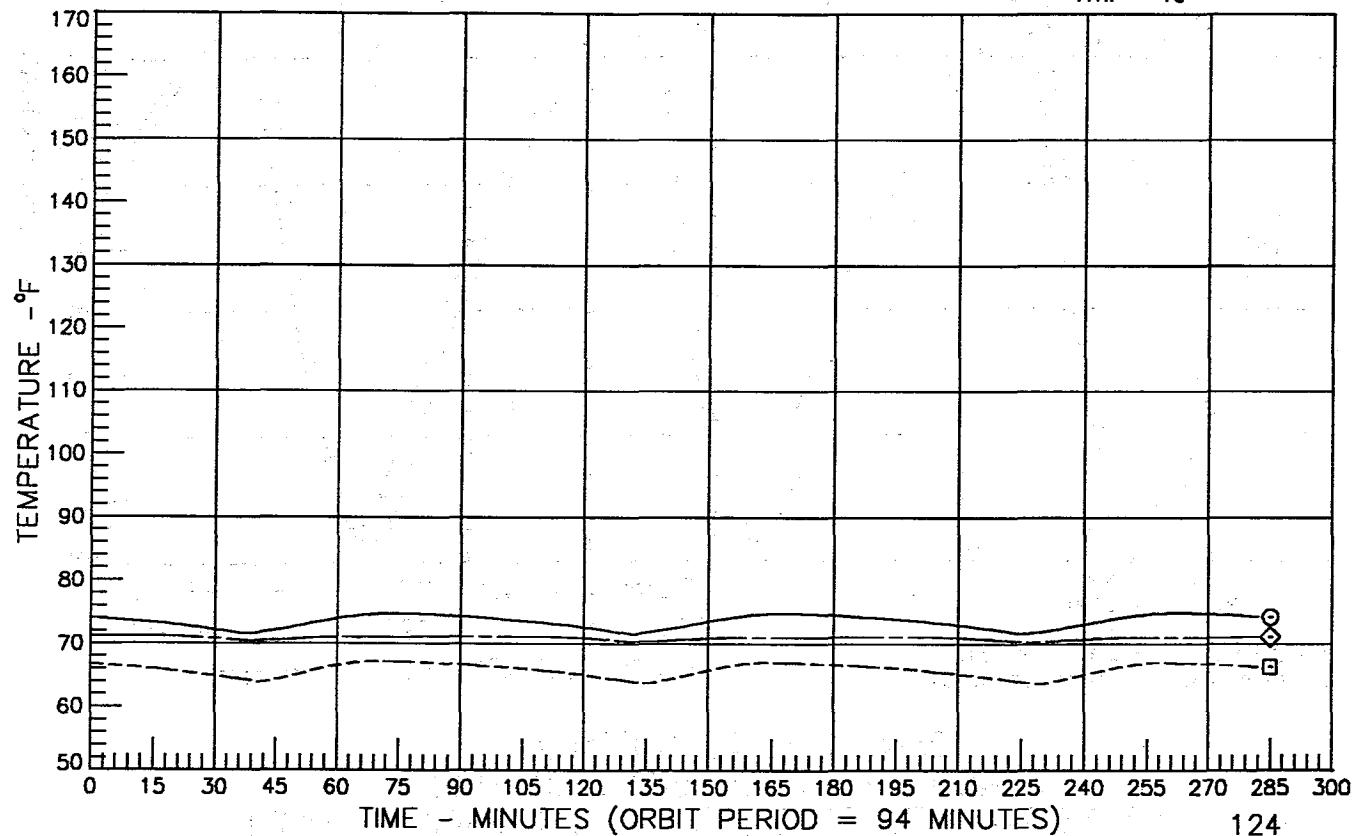
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

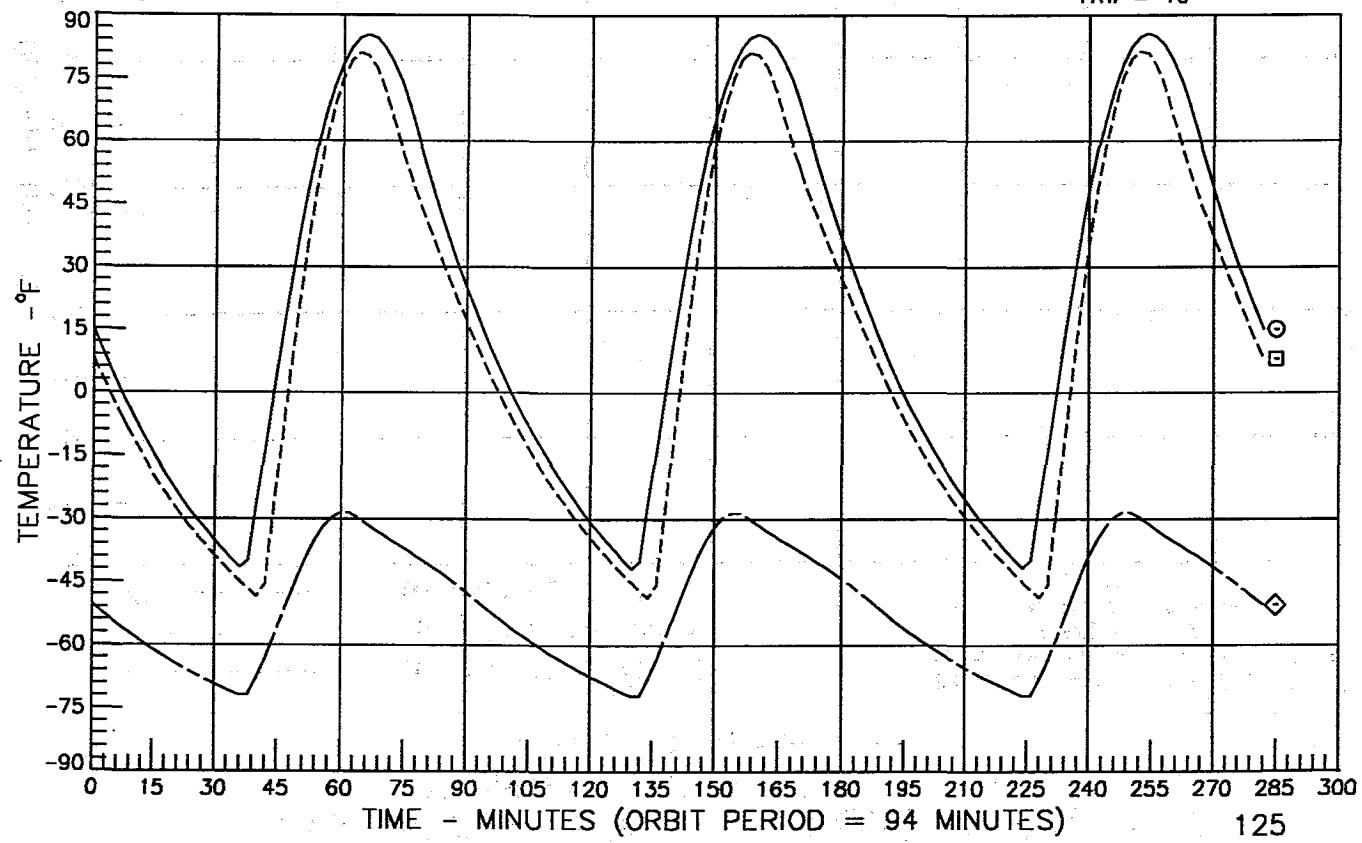
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D10 - SURFACE

○ ————— 136 +52° BETA ANGLE  
□ ----- 136 0° BETA ANGLE  
◊ ----- 136 -52° BETA ANGLE

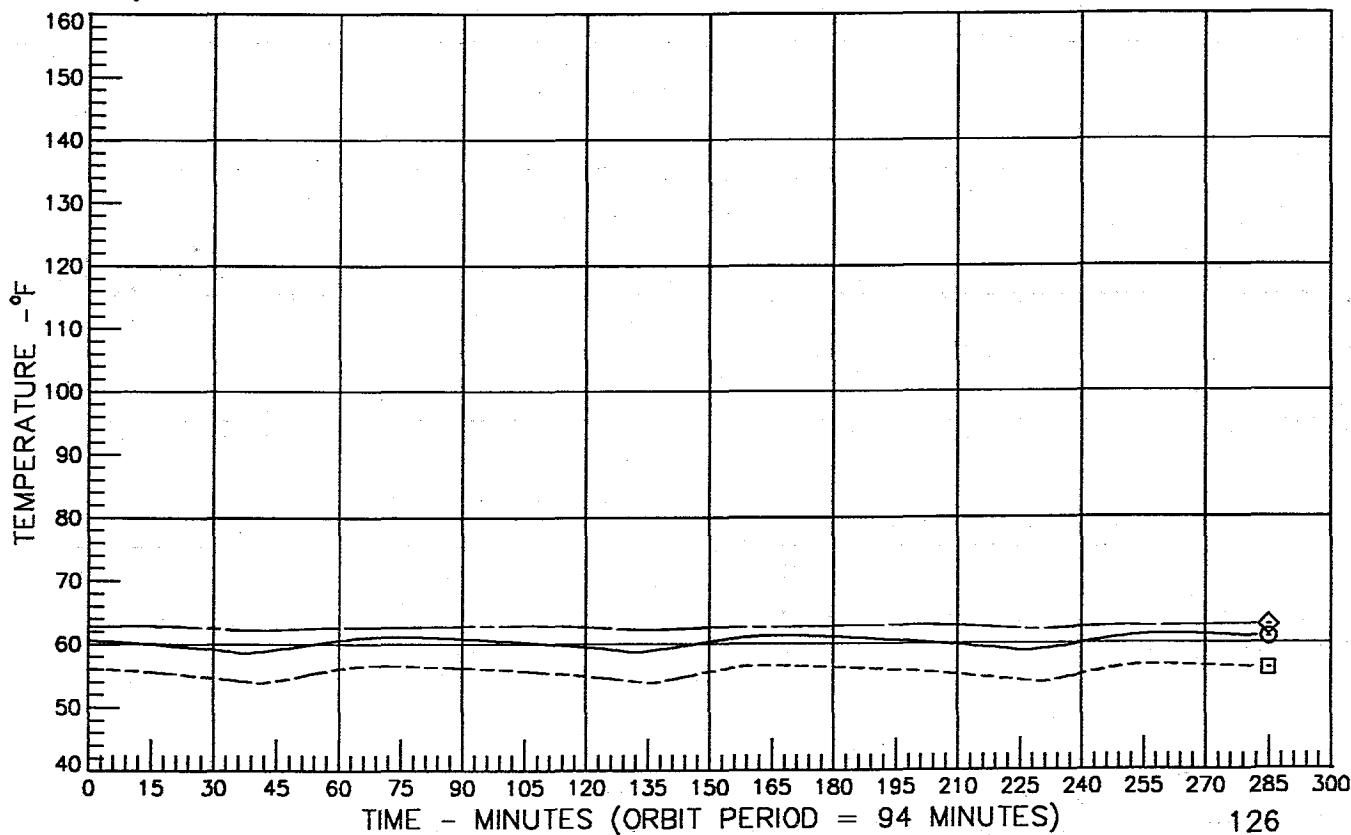
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E10 - TRAY

○——— 58 +52° BETA ANGLE  
□----- 58 0° BETA ANGLE  
◊----- 58 -52° BETA ANGLE

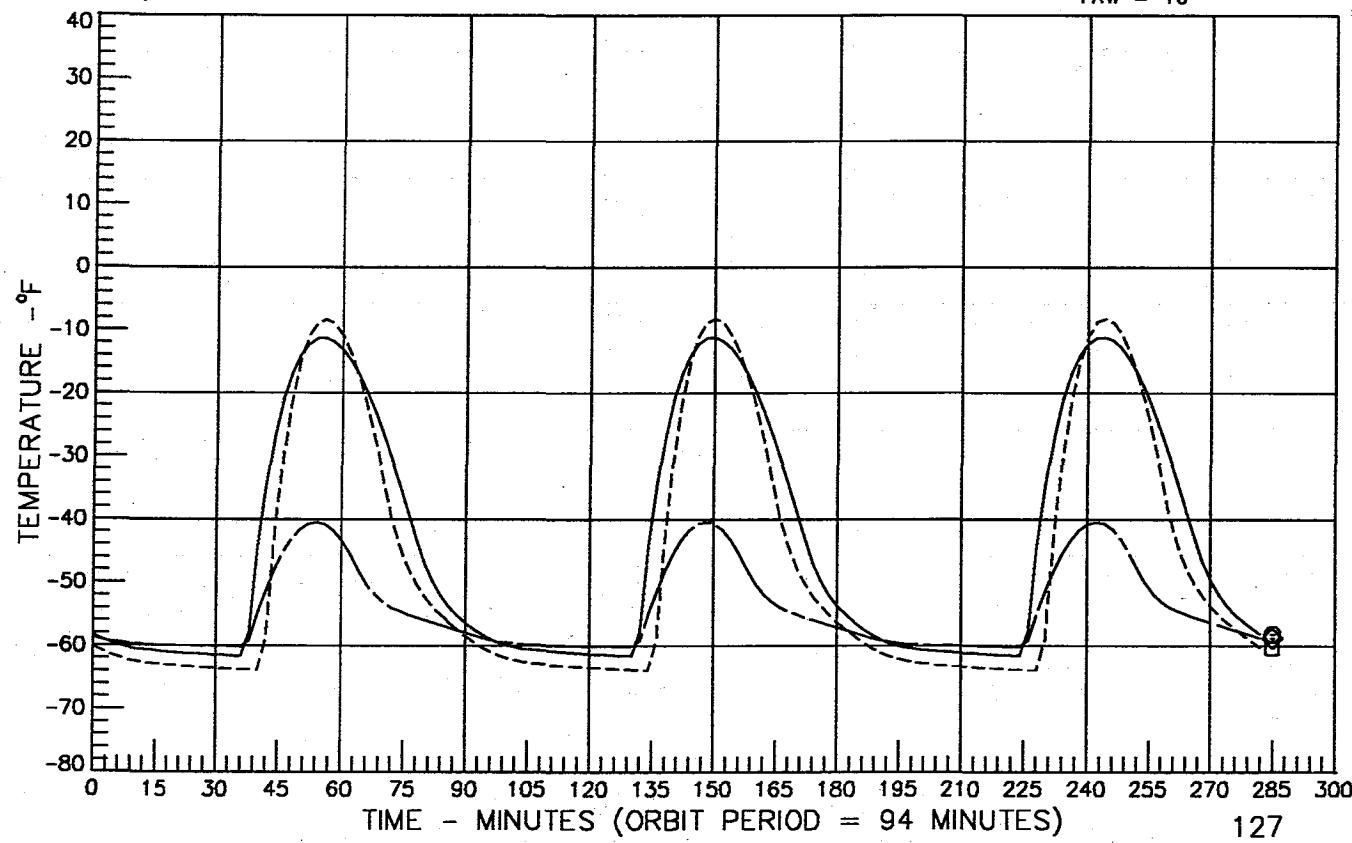
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E10 - SURFACE

○——— 148 +52° BETA ANGLE  
□----- 148 0° BETA ANGLE  
◇----- 148 -52° BETA ANGLE

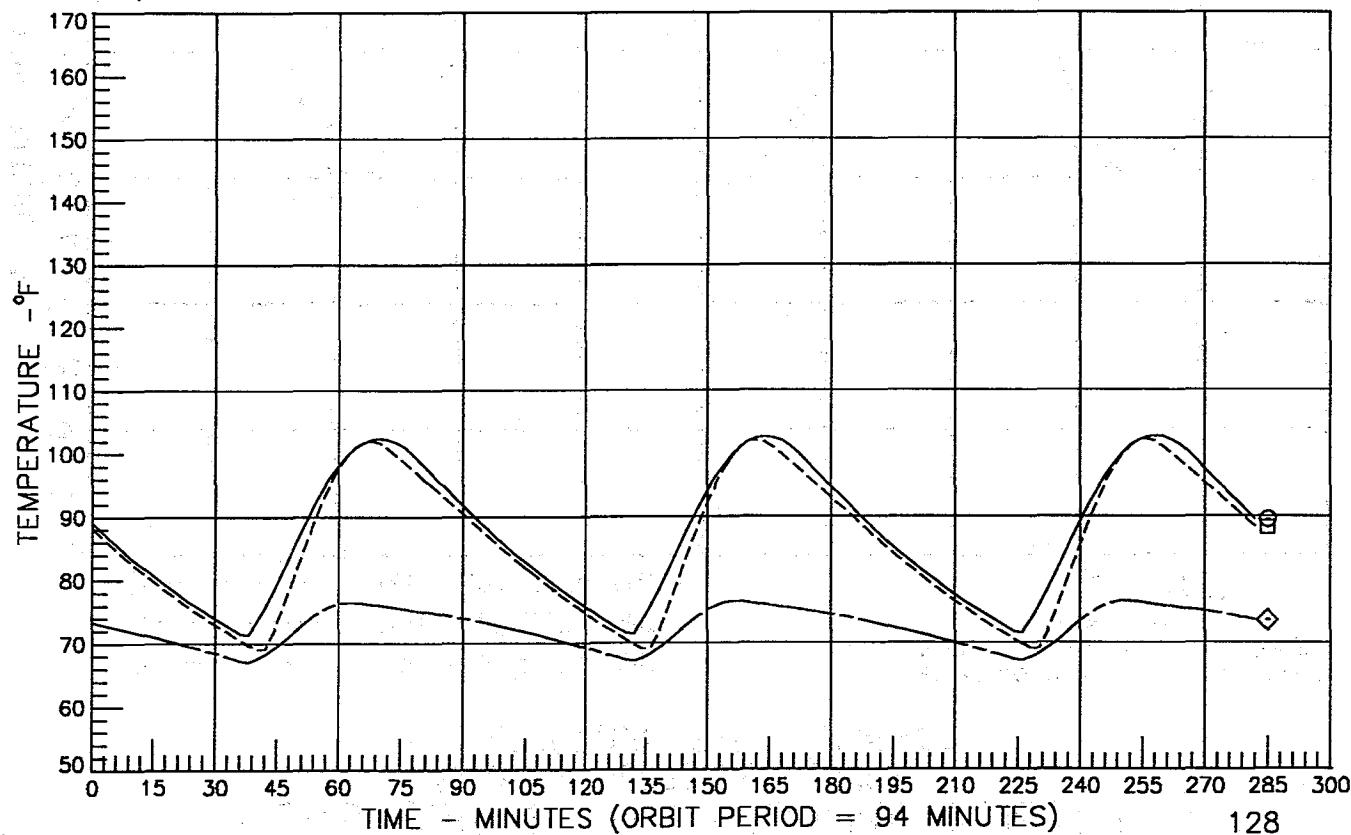
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: F10 - TRAY

○----- 70 +52° BETA ANGLE  
□----- 70 0° BETA ANGLE  
◇----- 70 -52° BETA ANGLE

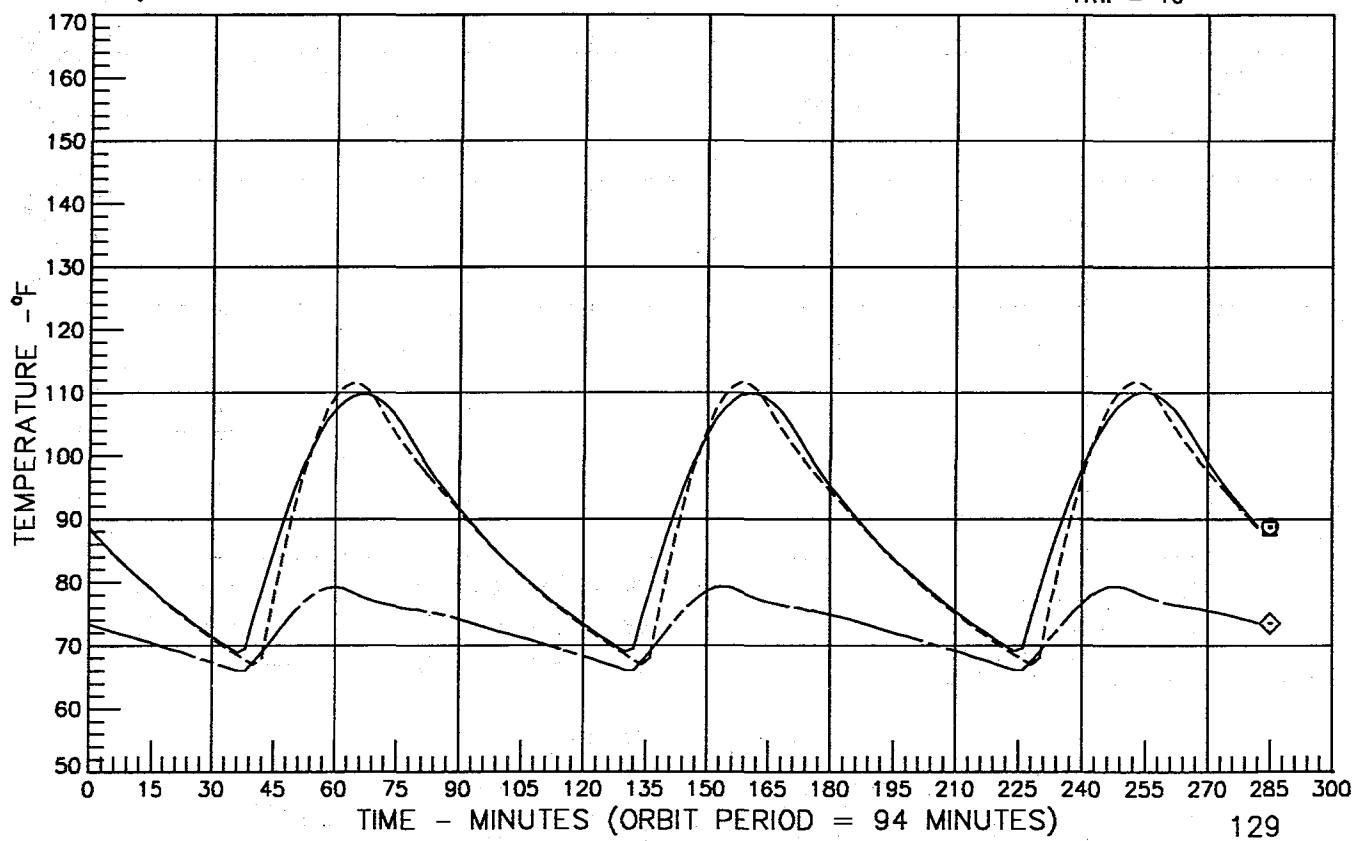
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: F10 - SURFACE

○——— 160 +52° BETA ANGLE  
□----- 160 0° BETA ANGLE  
◊----- 160 -52° BETA ANGLE

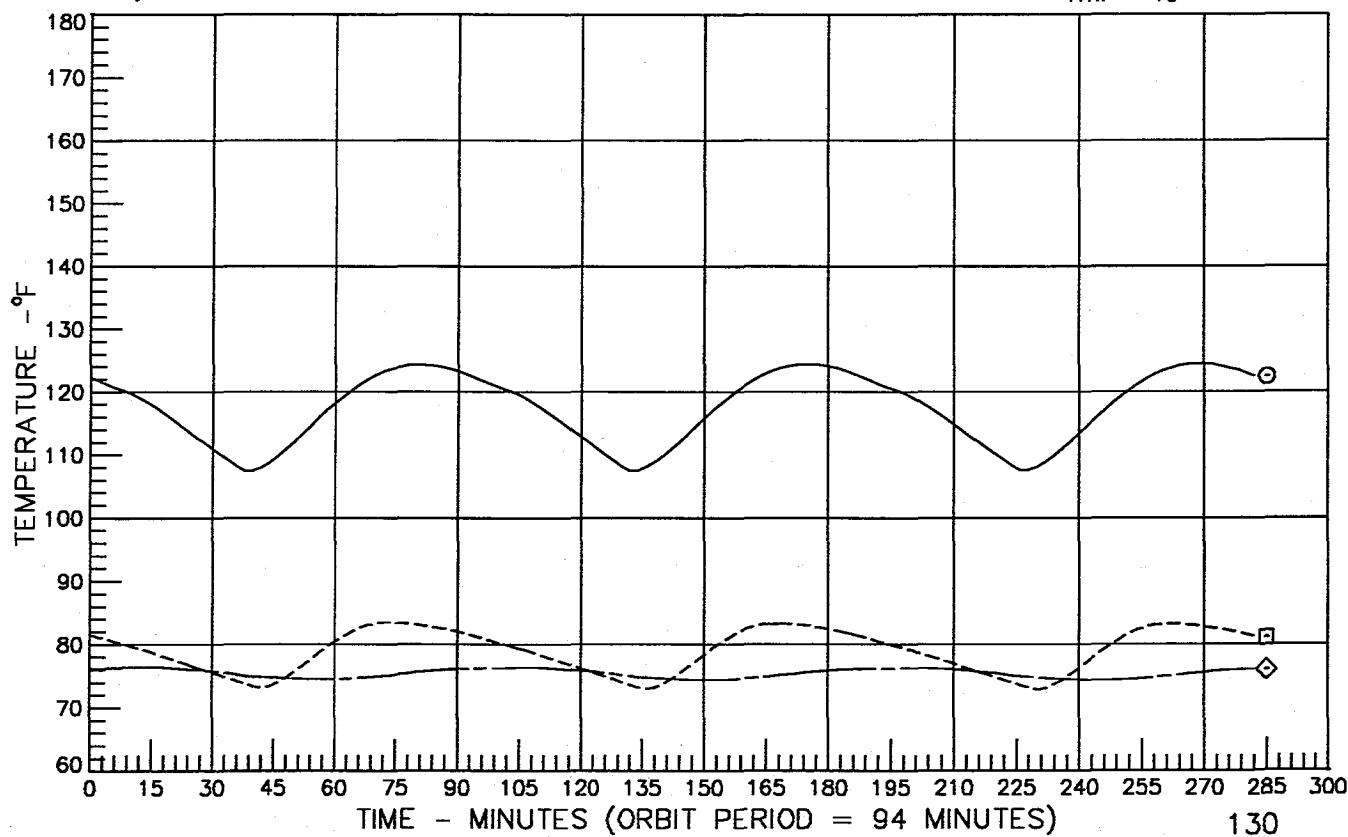
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A11 - TRAY

○——— 11 +52° BETA ANGLE  
□----- 11 0° BETA ANGLE  
◊----- 11 -52° BETA ANGLE

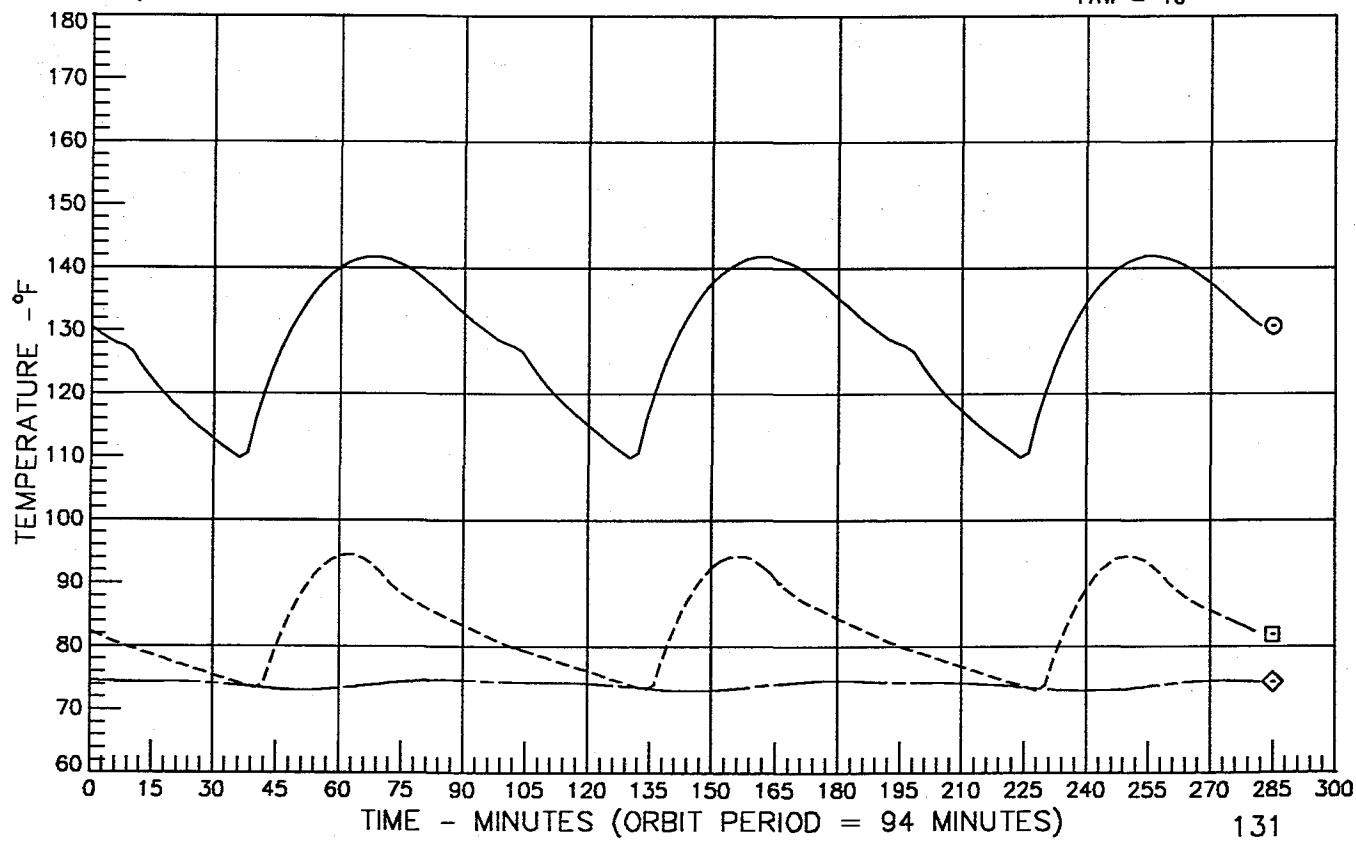
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A11 - SURFACE

○ ————— 101 +52° BETA ANGLE  
□ ----- 101 0° BETA ANGLE  
◊ ----- 101 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B11 - TRAY

○ ————— 23 +52° BETA ANGLE

□ ————— 23 0° BETA ANGLE

◊ ————— 23 -52° BETA ANGLE

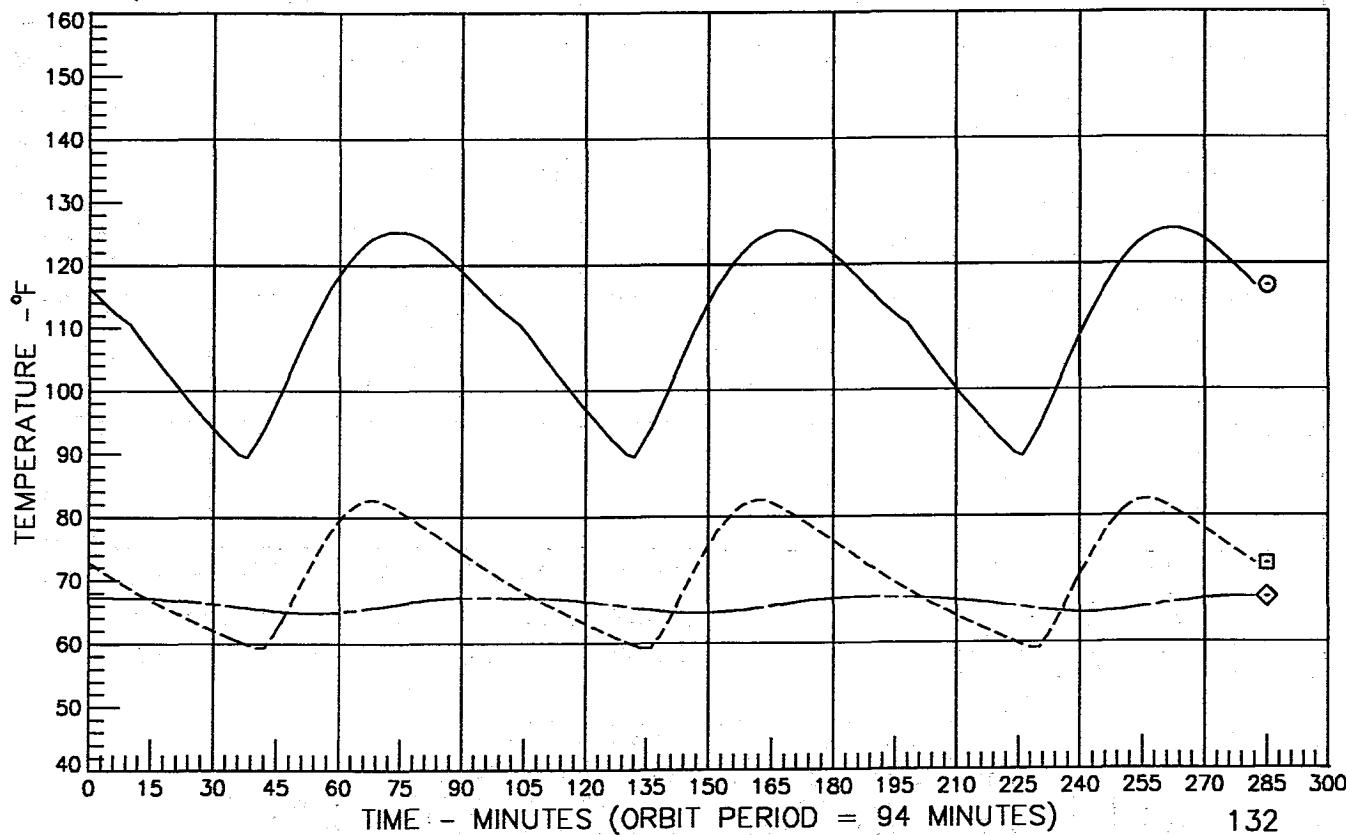
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = .77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

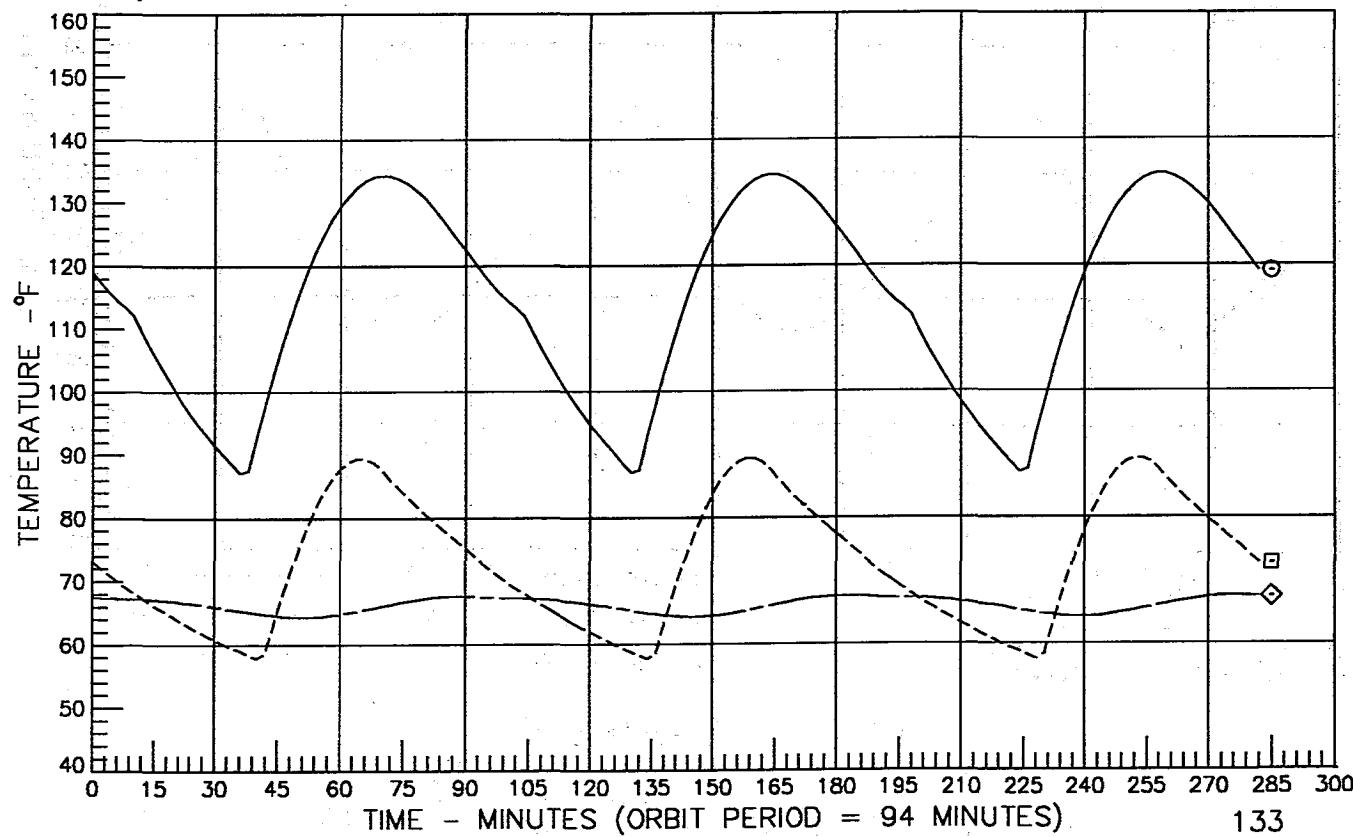
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B11 - SURFACE

○ ————— 113 +52° BETA ANGLE  
□ ----- 113 0° BETA ANGLE  
◊ ————— 113 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C11 - TRAY

○——— 35 +52° BETA ANGLE

□----- 35 0° BETA ANGLE

◊——— 35 -52° BETA ANGLE

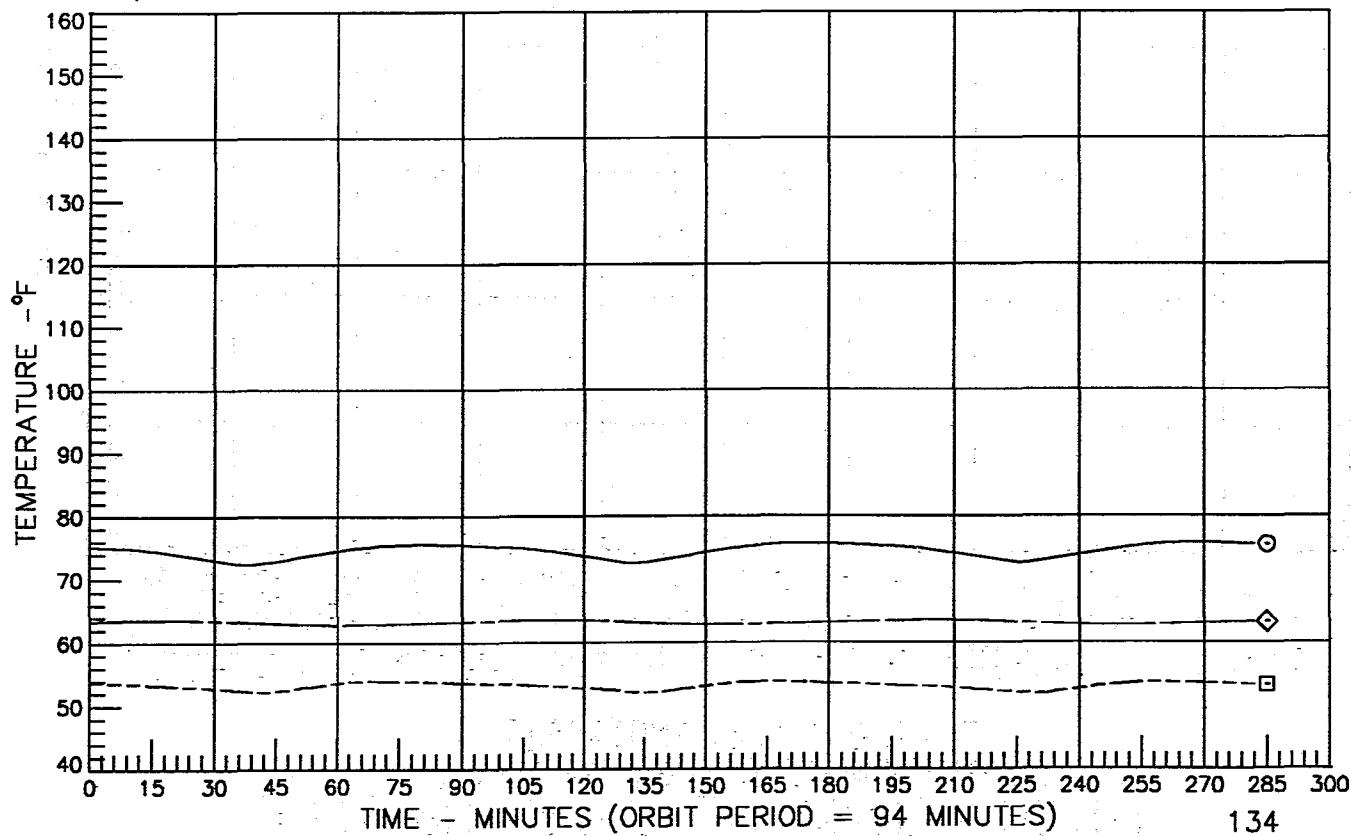
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

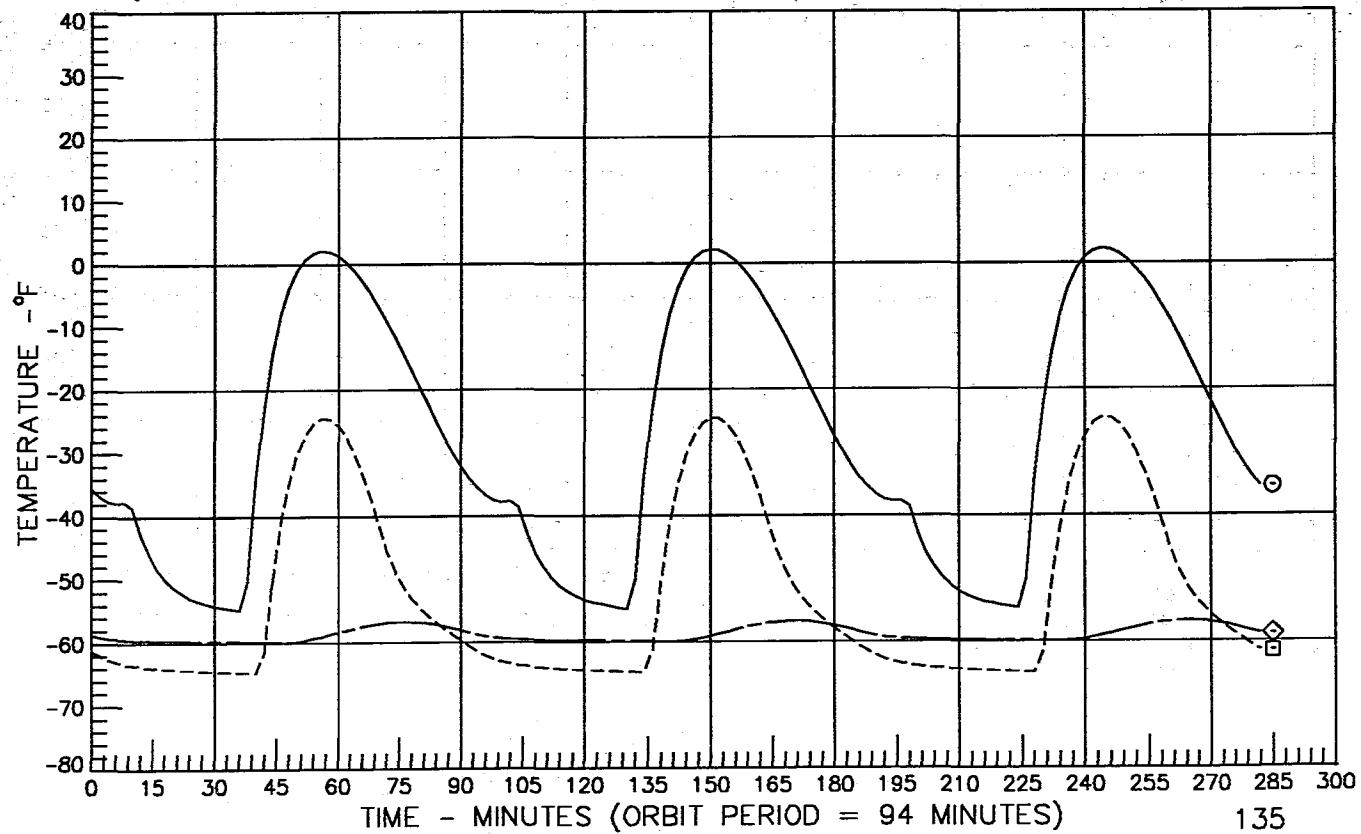
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C11 - SURFACE

○ ————— 125 +52° BETA ANGLE  
□ ————— 125 0° BETA ANGLE  
◇ ————— 125 -52° BETA ANGLE

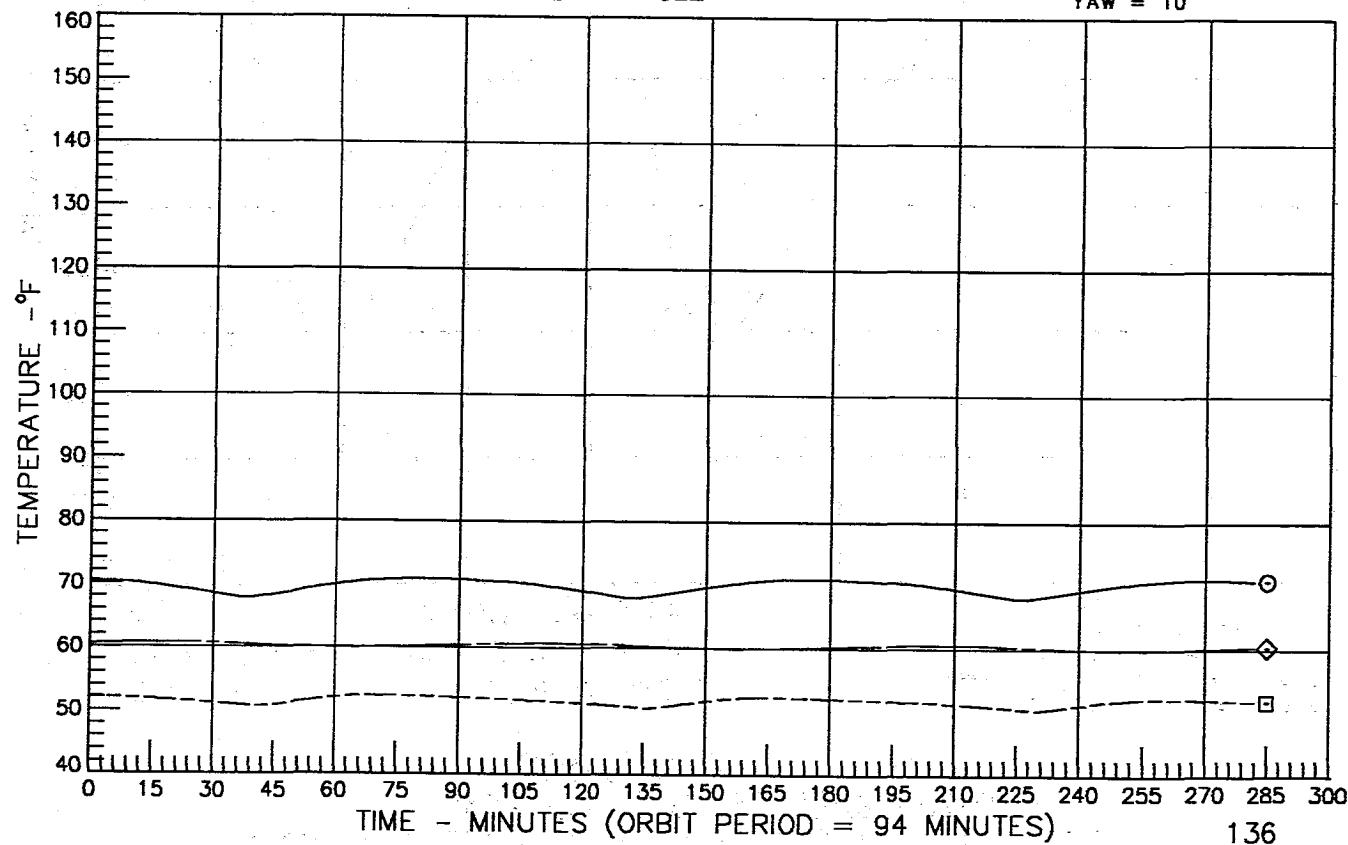
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D11 - TRAY

○——— 47 +52° BETA ANGLE  
□----- 47 0° BETA ANGLE  
◊——— 47 -52° BETA ANGLE

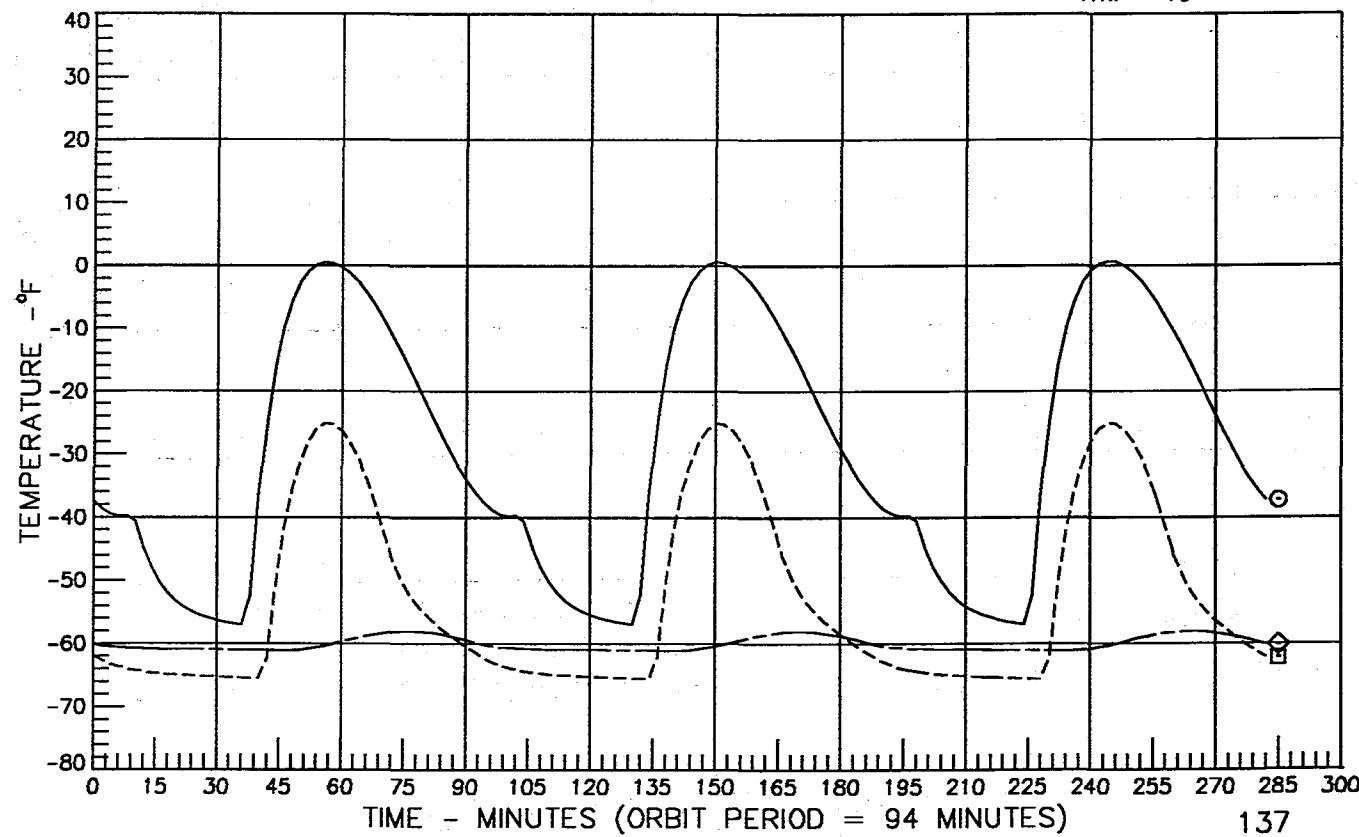
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D11 - SURFACE

○——— 137 +52° BETA ANGLE  
□----- 137 0° BETA ANGLE  
◊----- 137 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E11 - TRAY

○——— 59 +52° BETA ANGLE

□----- 59 0° BETA ANGLE

◇----- 59 -52° BETA ANGLE

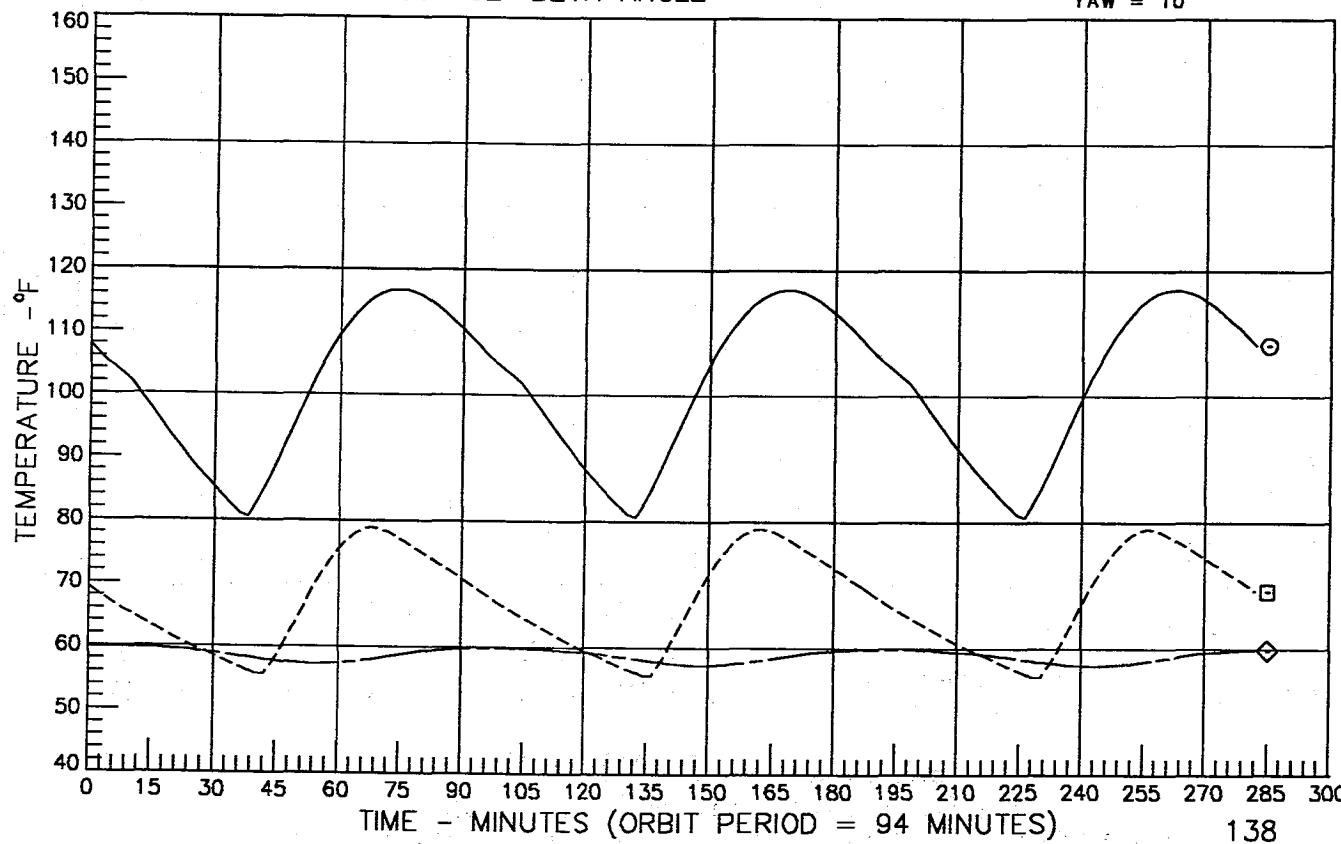
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

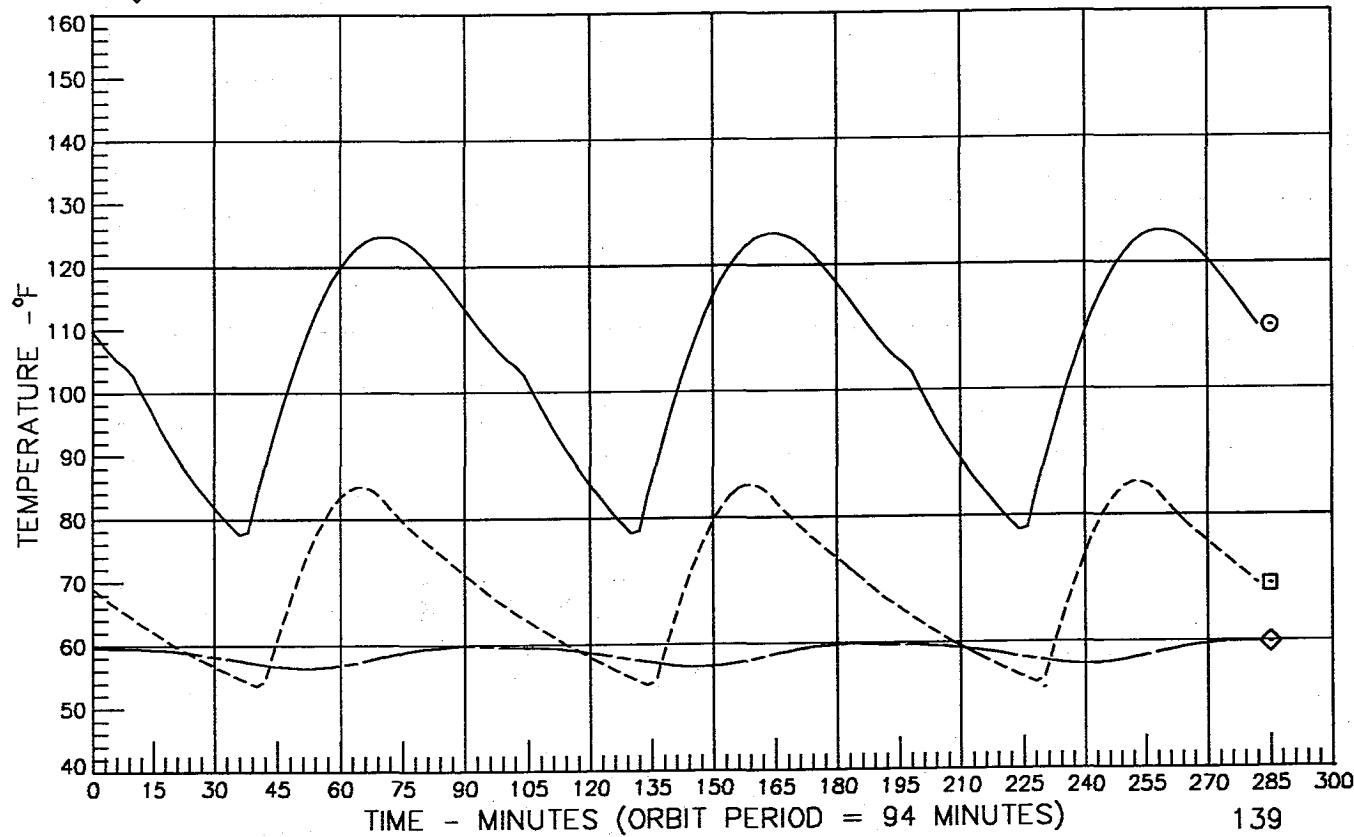
YAW = 10°



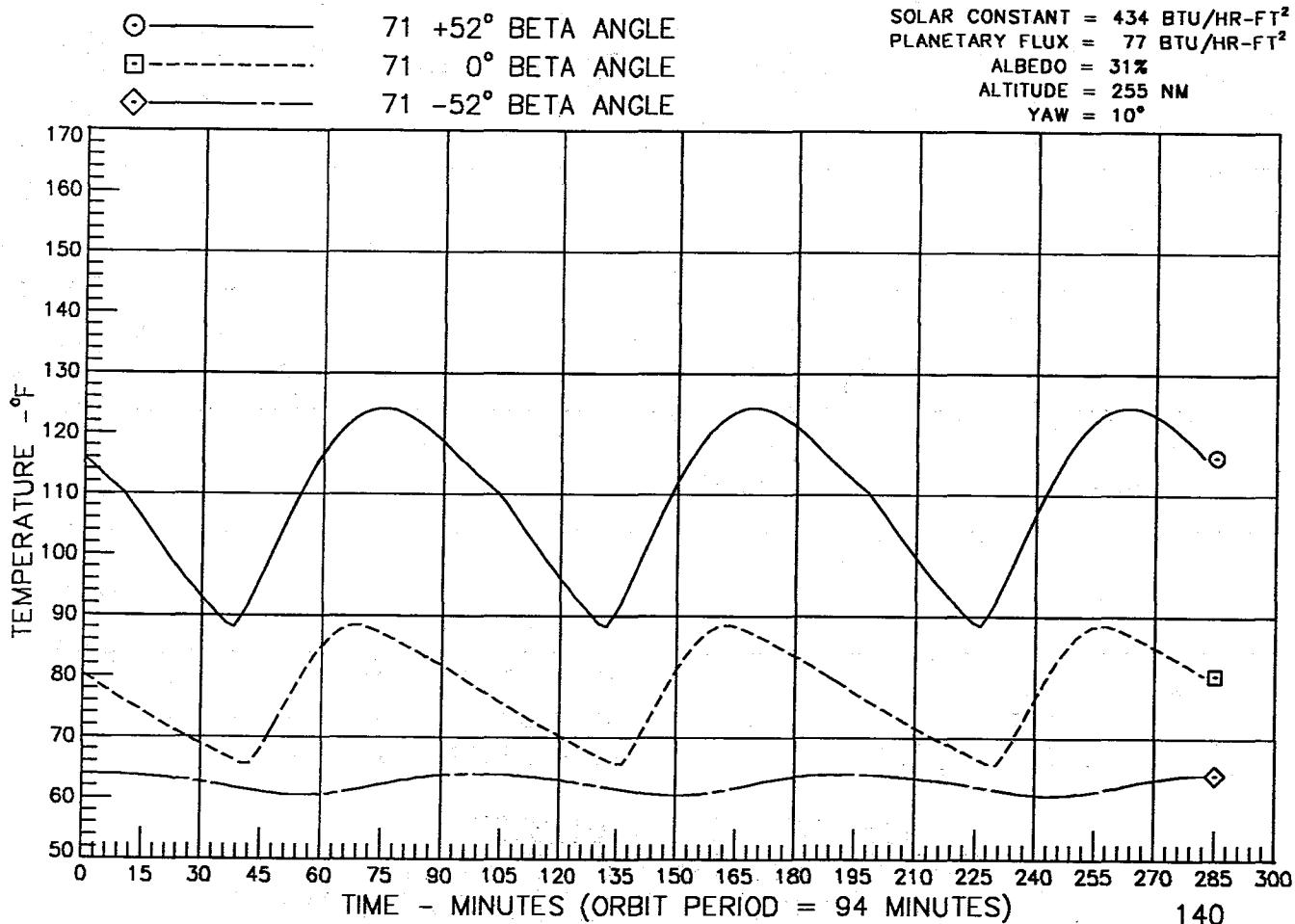
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E11 - SURFACE

○——— 149 +52° BETA ANGLE  
□----- 149 0° BETA ANGLE  
◊----- 149 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



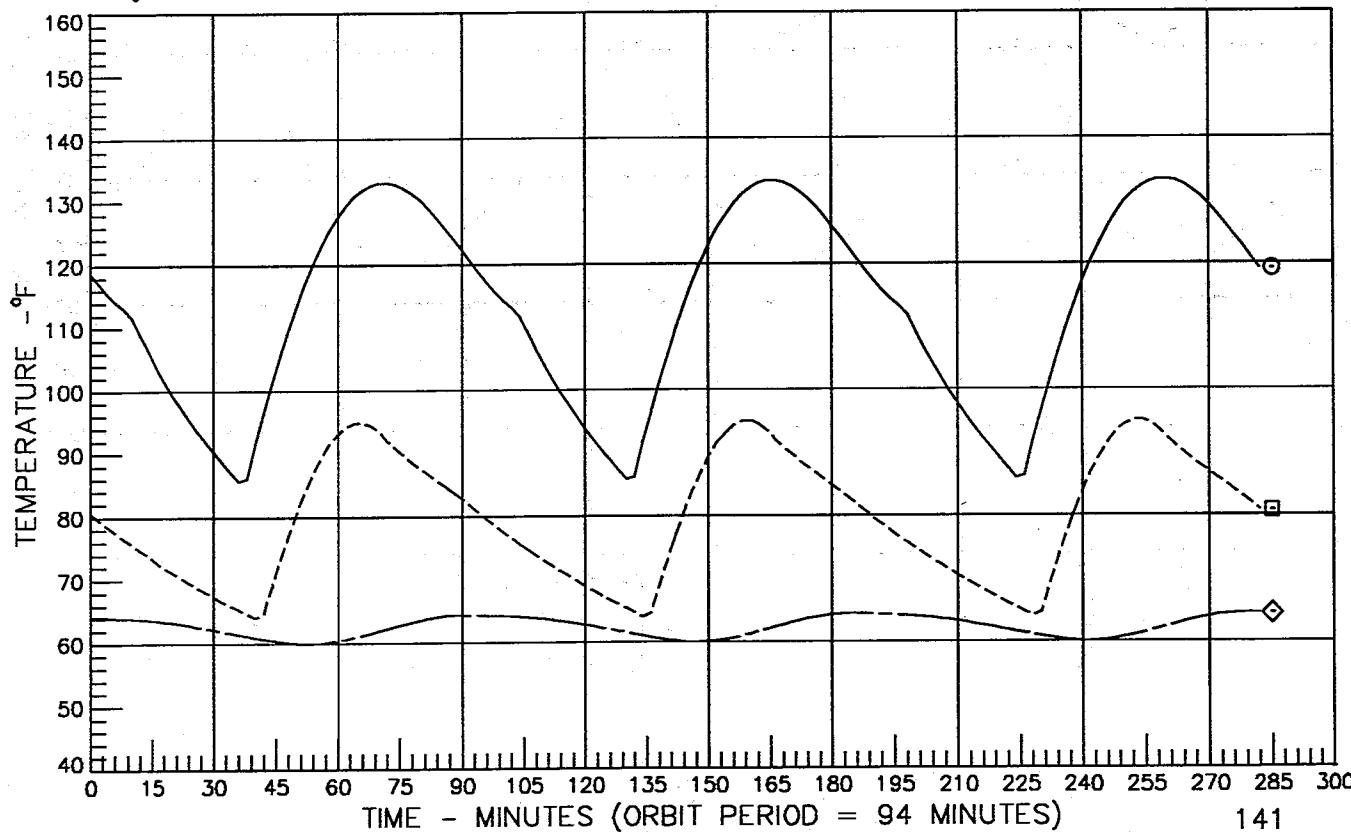
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: F11 - TRAY



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: F11 - SURFACE

- ————— 161 +52° BETA ANGLE
- ----- 161 0° BETA ANGLE
- ◊ ————— 161 -52° BETA ANGLE

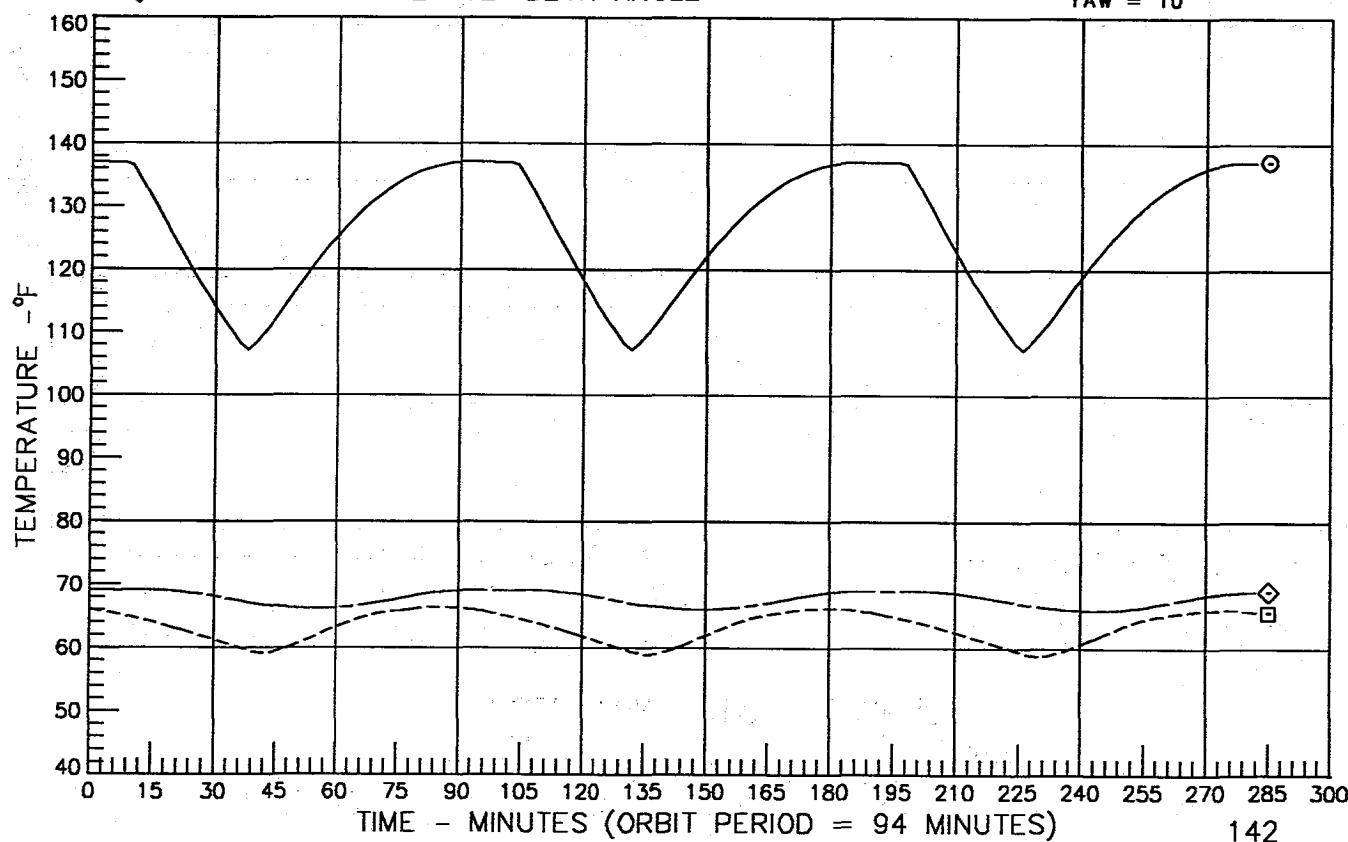
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A12 - TRAY

○ ————— 12 +52° BETA ANGLE  
□ ----- 12 0° BETA ANGLE  
◊ ----- 12 -52° BETA ANGLE

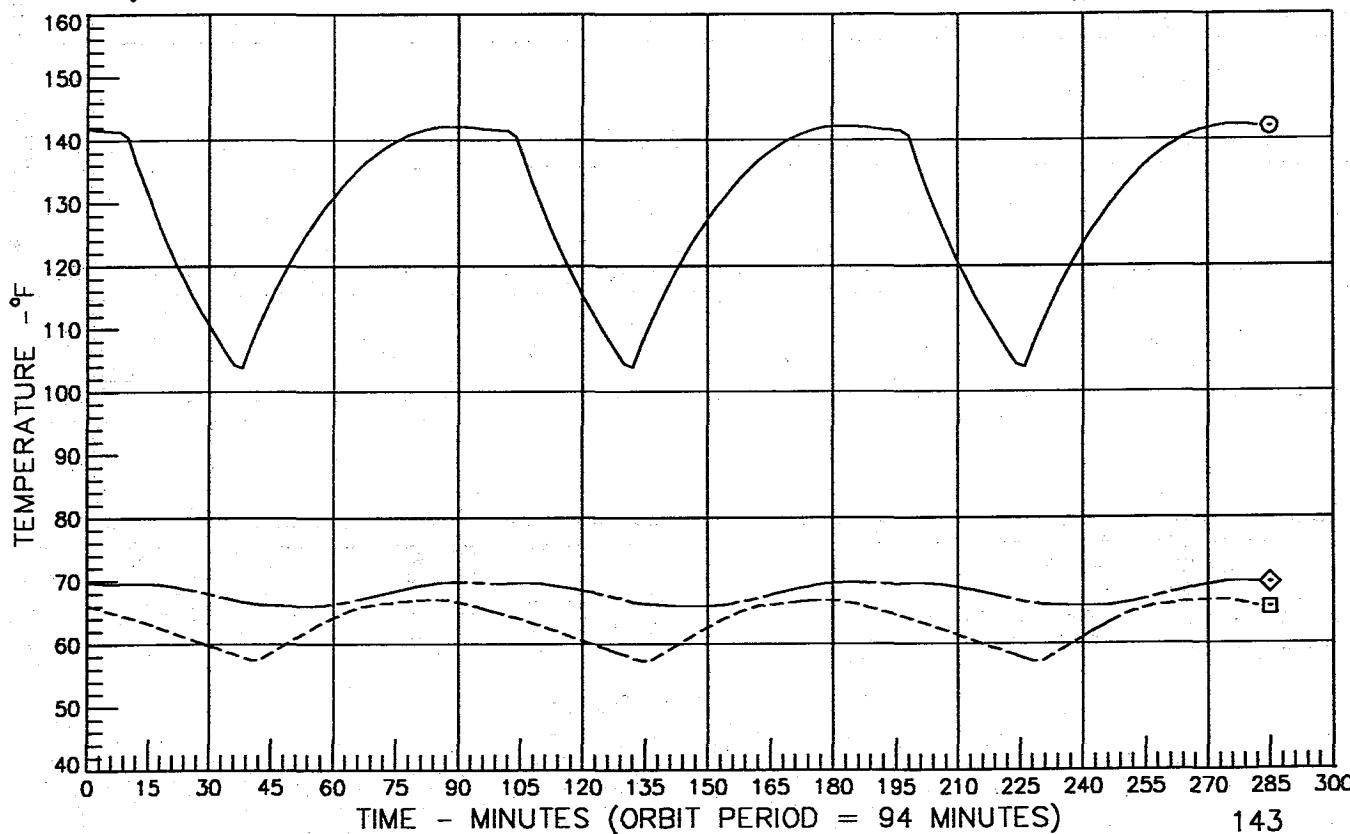
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: A12 - SURFACE

○——— 102 +52° BETA ANGLE  
□----- 102 0° BETA ANGLE  
◇——— 102 -52° BETA ANGLE

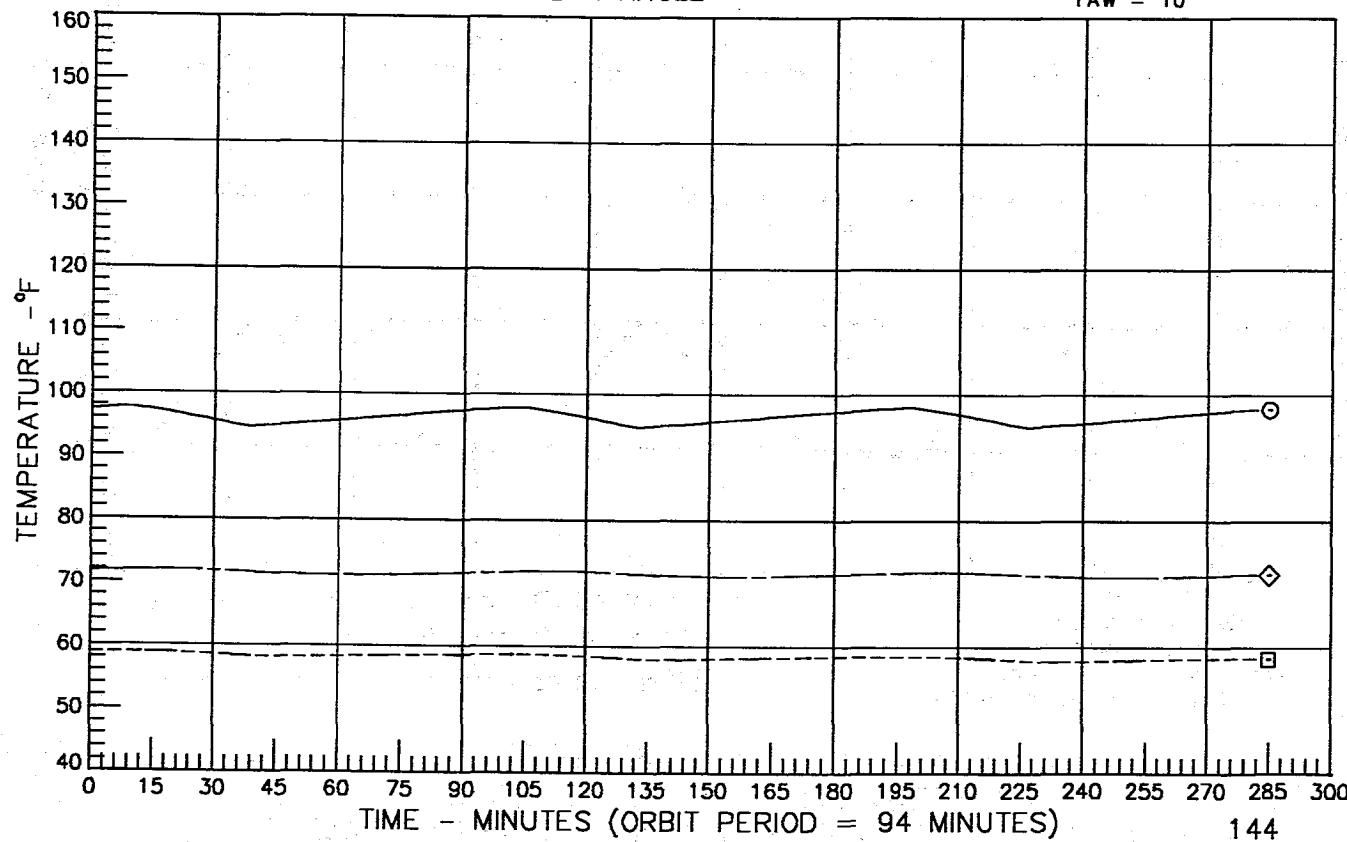
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B12 - TRAY

○ ————— 24 +52° BETA ANGLE  
□ ----- 24 0° BETA ANGLE  
◇ ----- 24 -52° BETA ANGLE

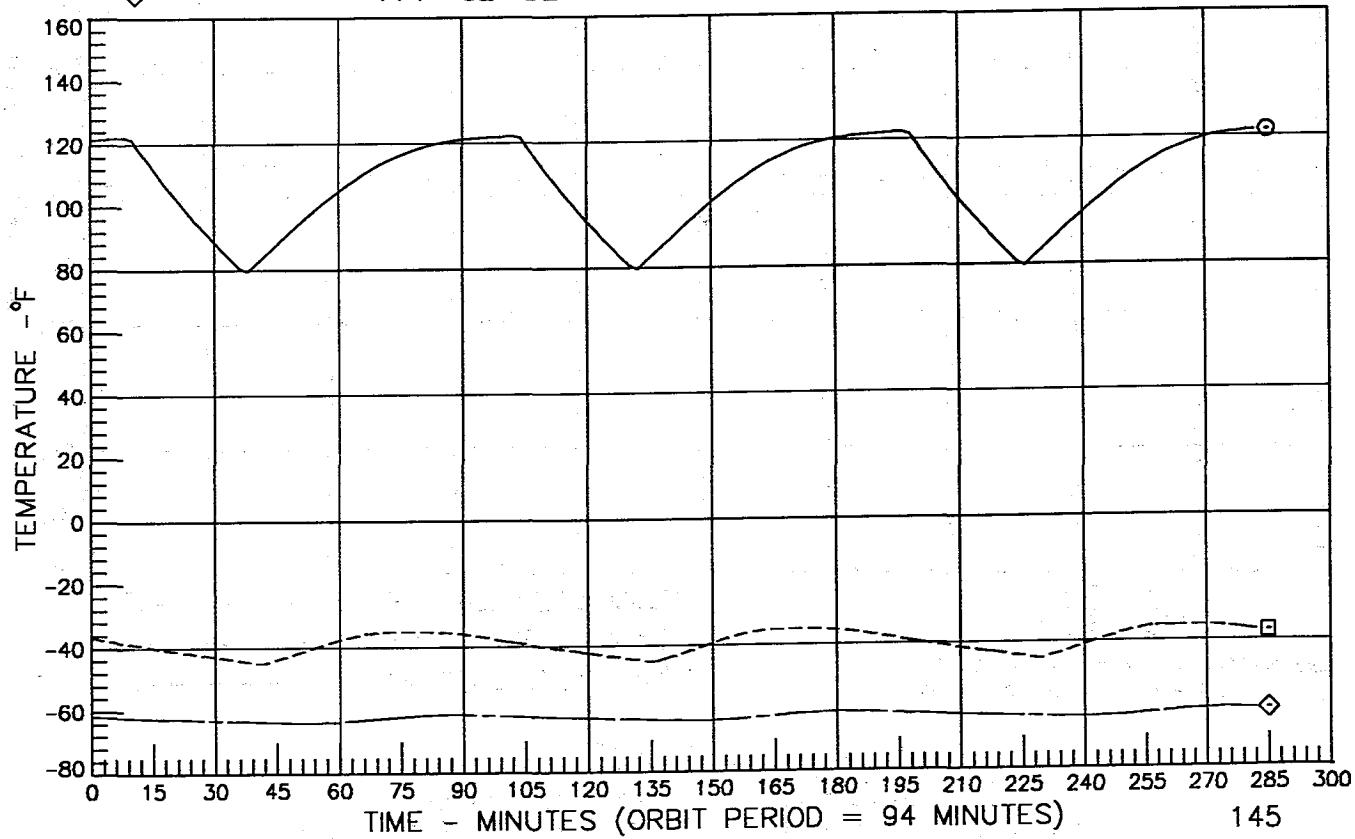
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



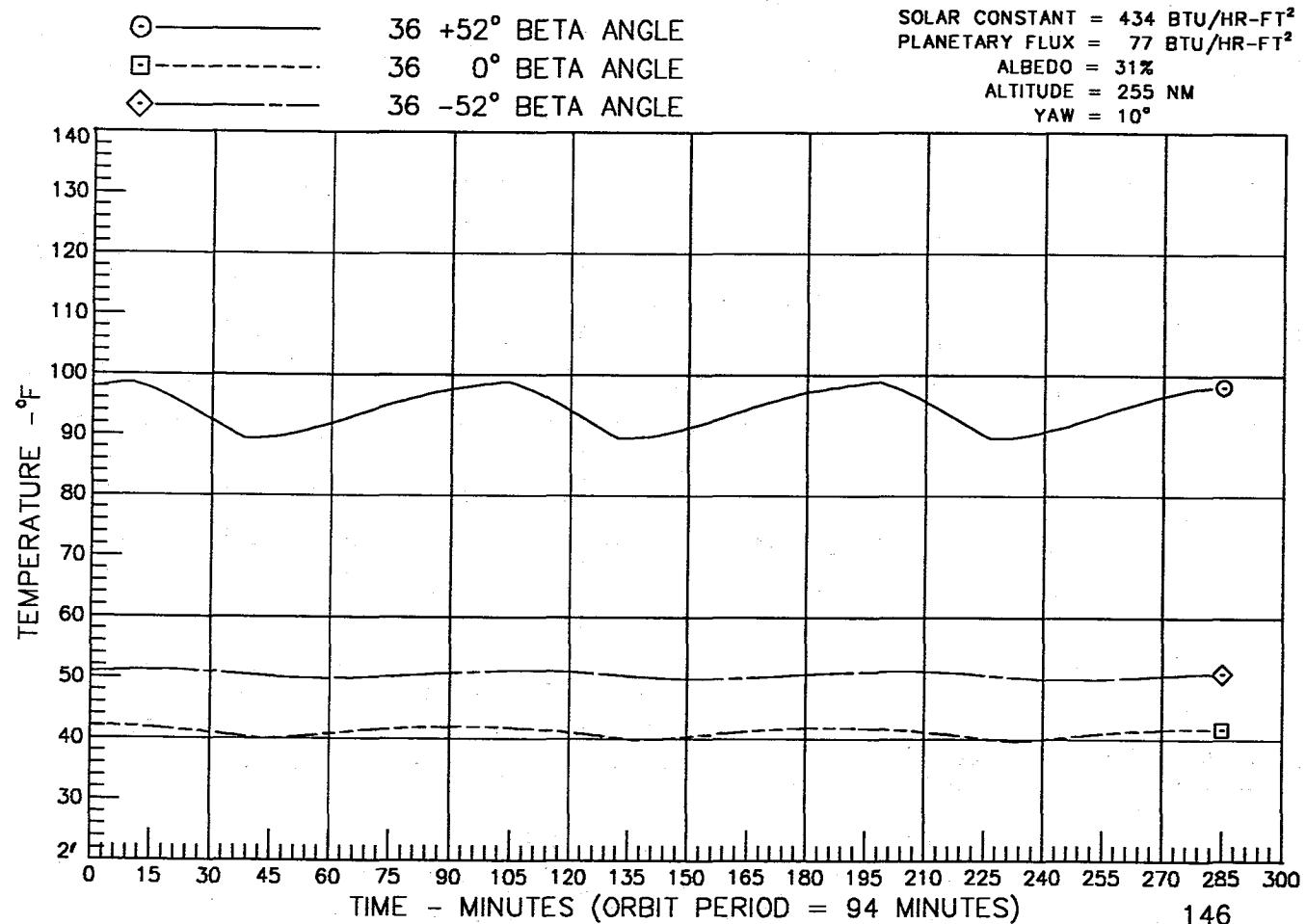
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: B12 - SURFACE

- — 114 +52° BETA ANGLE
- — 114 0° BETA ANGLE
- ◊ — 114 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



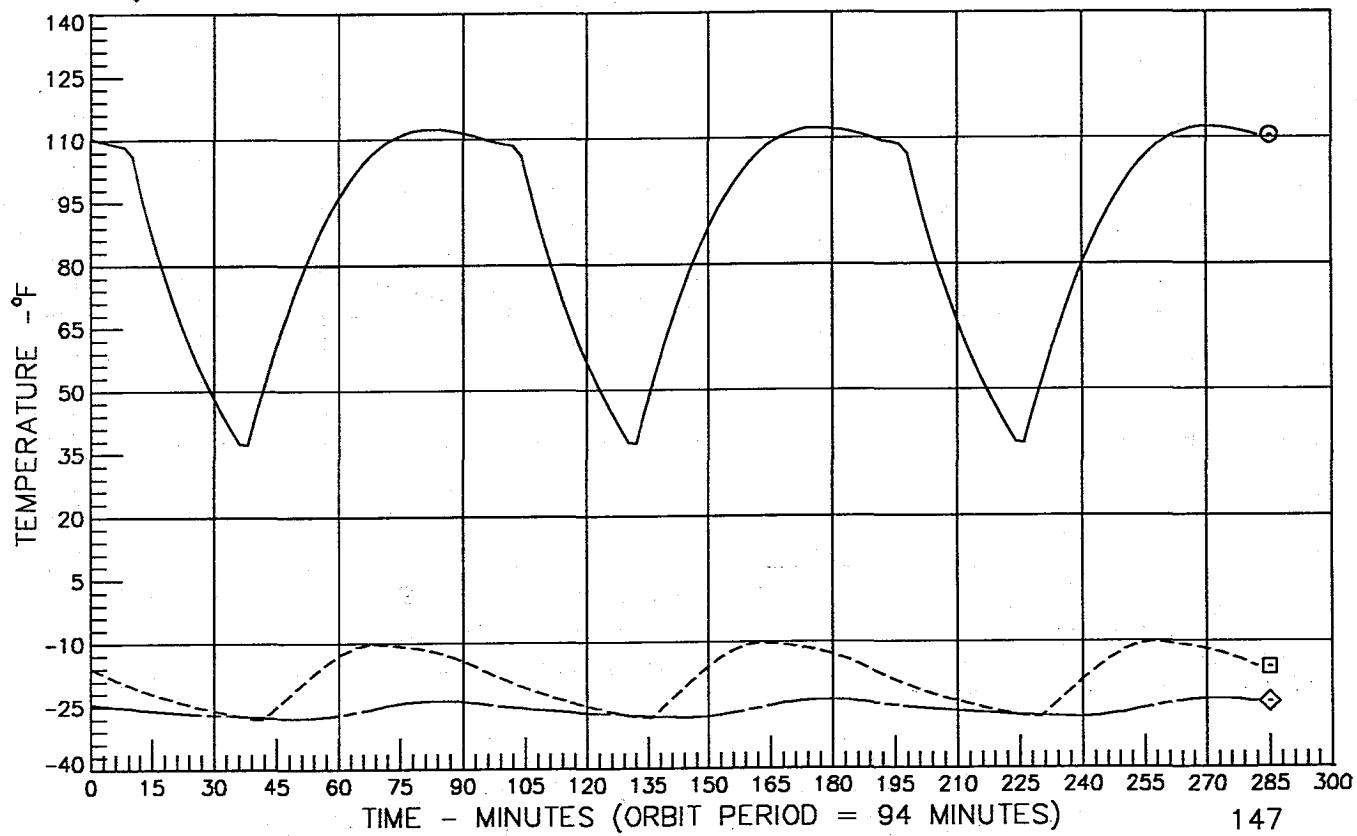
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C12 - TRAY



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: C12 - SURFACE

○——— 126 +52° BETA ANGLE  
□----- 126 0° BETA ANGLE  
◊----- 126 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D12 - TRAY

○——— 48 +52° BETA ANGLE

□----- 48 0° BETA ANGLE

◊----- 48 -52° BETA ANGLE

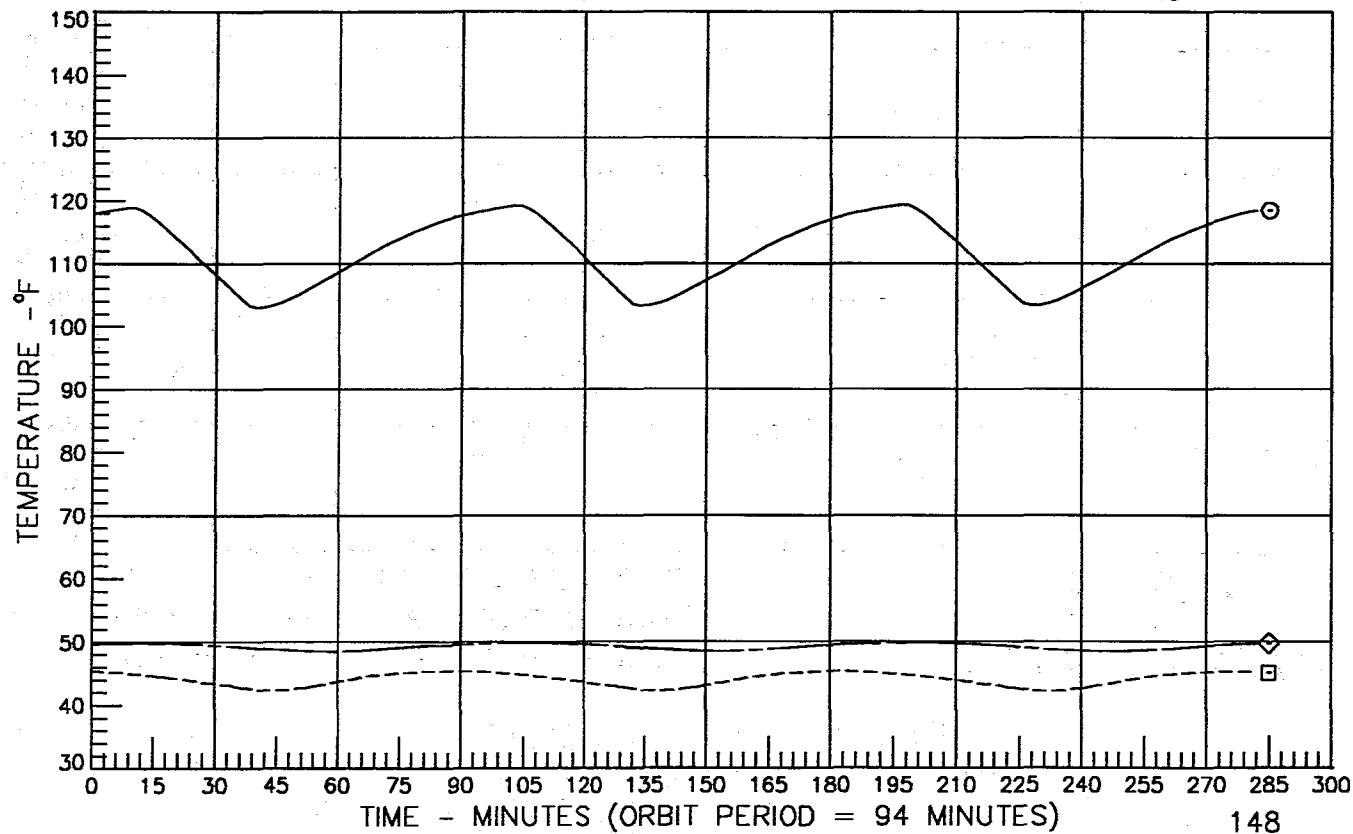
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D12 - SURFACE

○ ————— 138 +52° BETA ANGLE

□ ----- 138 0° BETA ANGLE

◇ ————— 138 -52° BETA ANGLE

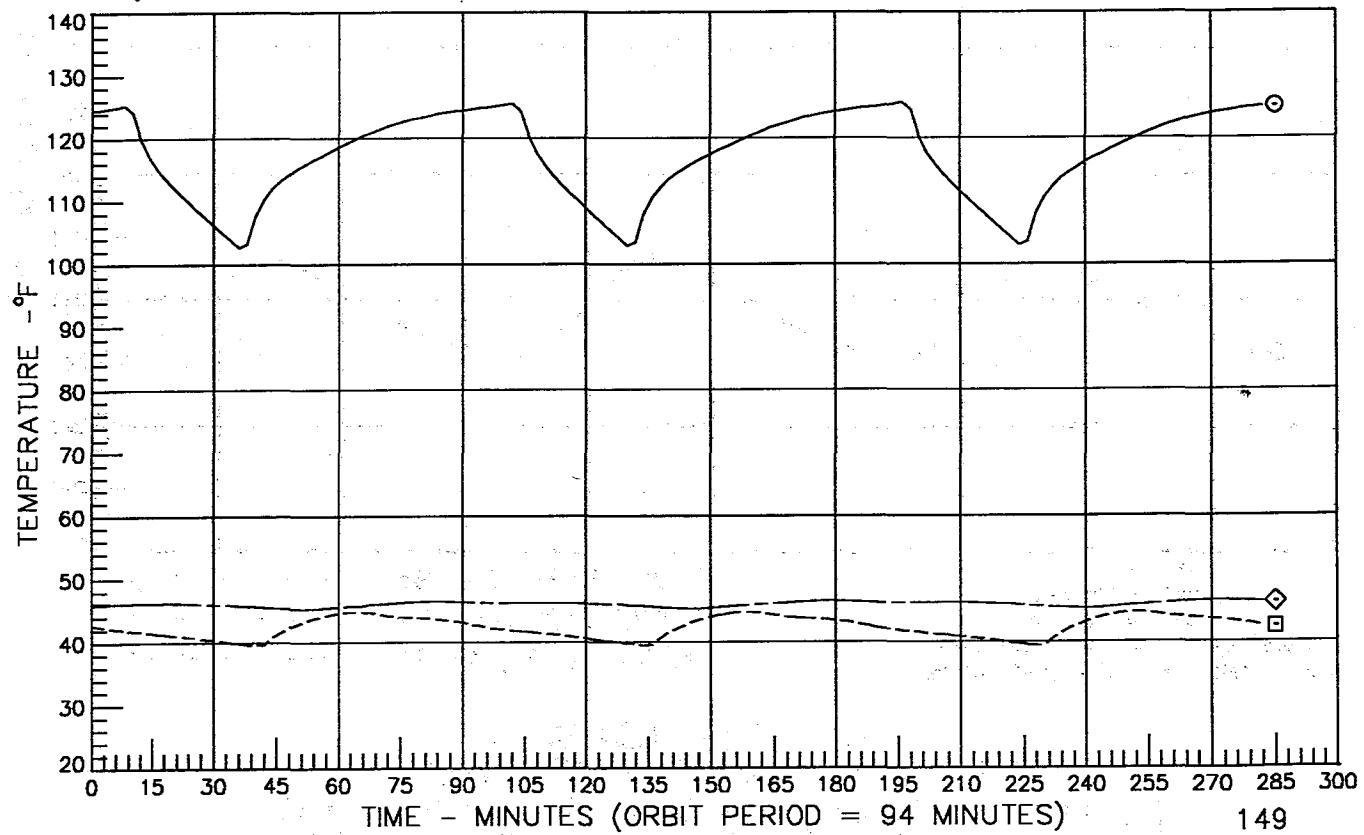
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D12 - SURFACE

○ ————— 280 +52° BETA ANGLE

□ ————— 280 0° BETA ANGLE

◇ ————— 280 -52° BETA ANGLE

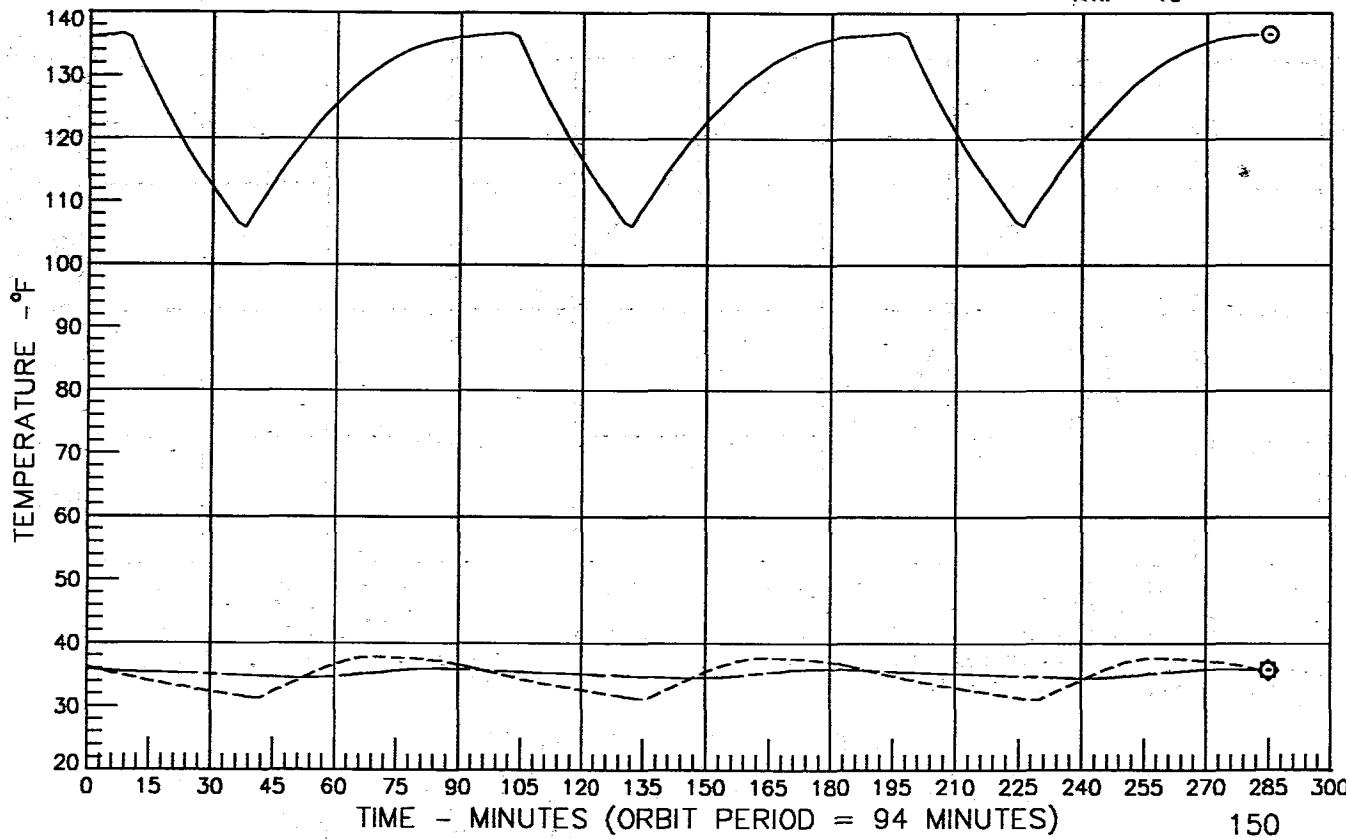
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

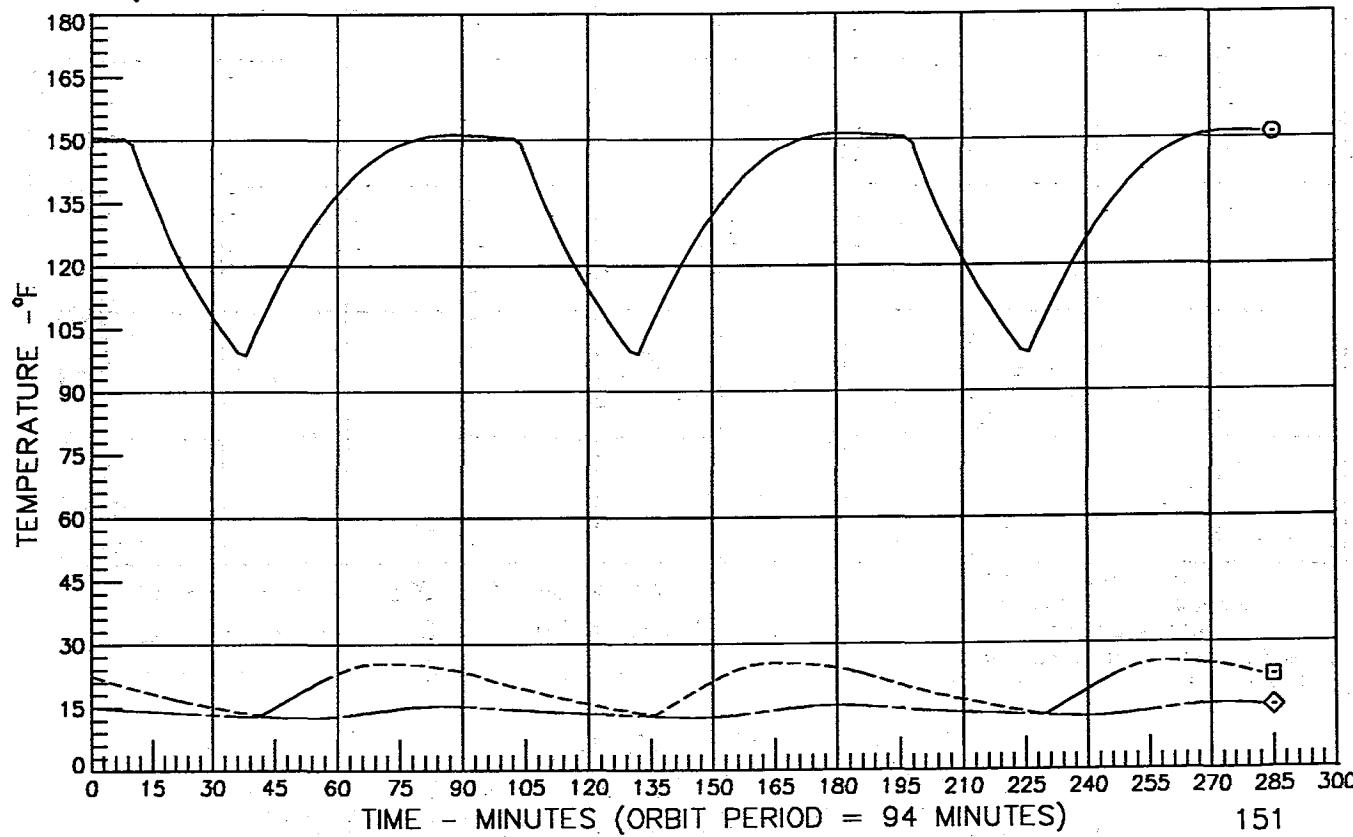
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: D12 - SURFACE

- ————— 281 +52° BETA ANGLE
- ————— 281 0° BETA ANGLE
- ◊ ————— 281 -52° BETA ANGLE

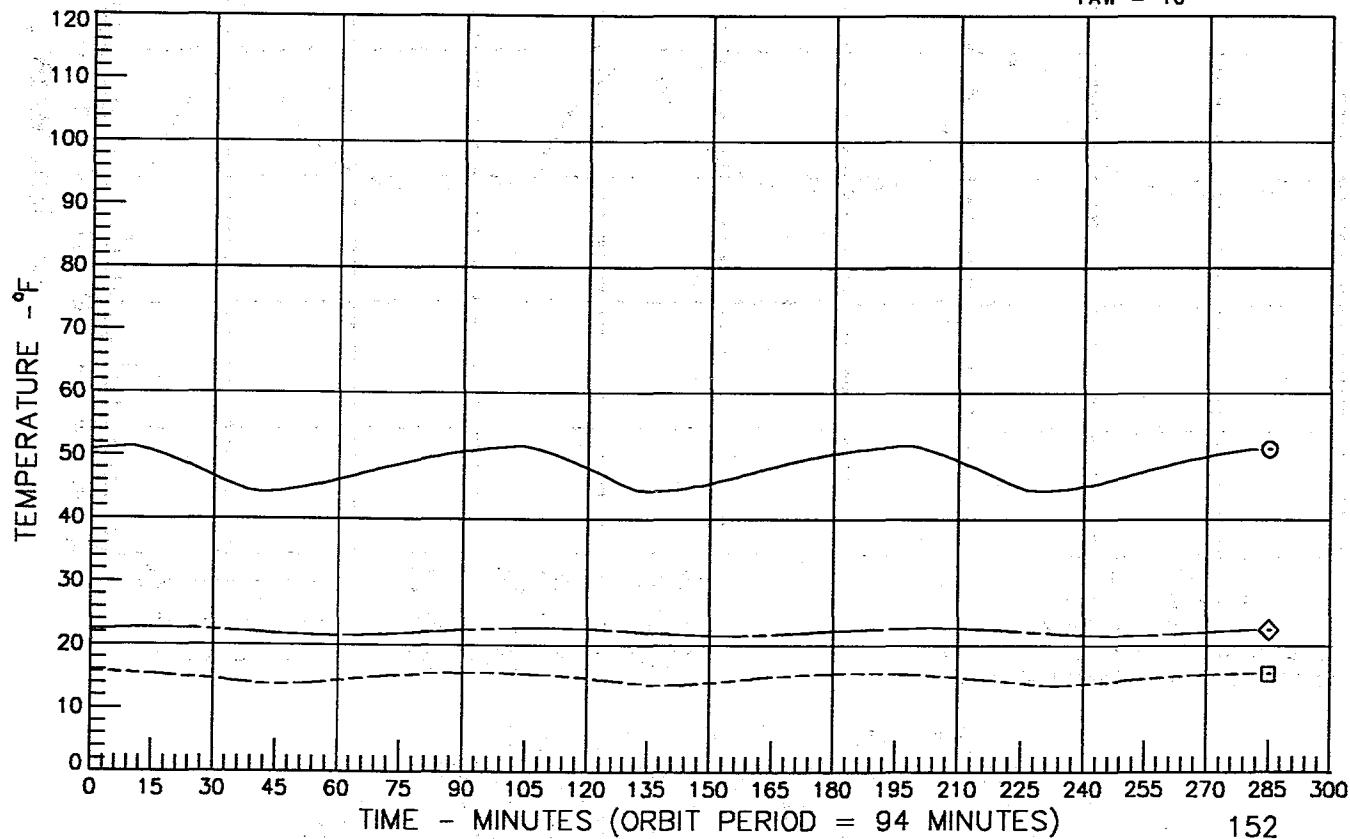
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E12 - TRAY

- ————— 60 +52° BETA ANGLE
- ----- 60 0° BETA ANGLE
- ◊ ————— 60 -52° BETA ANGLE

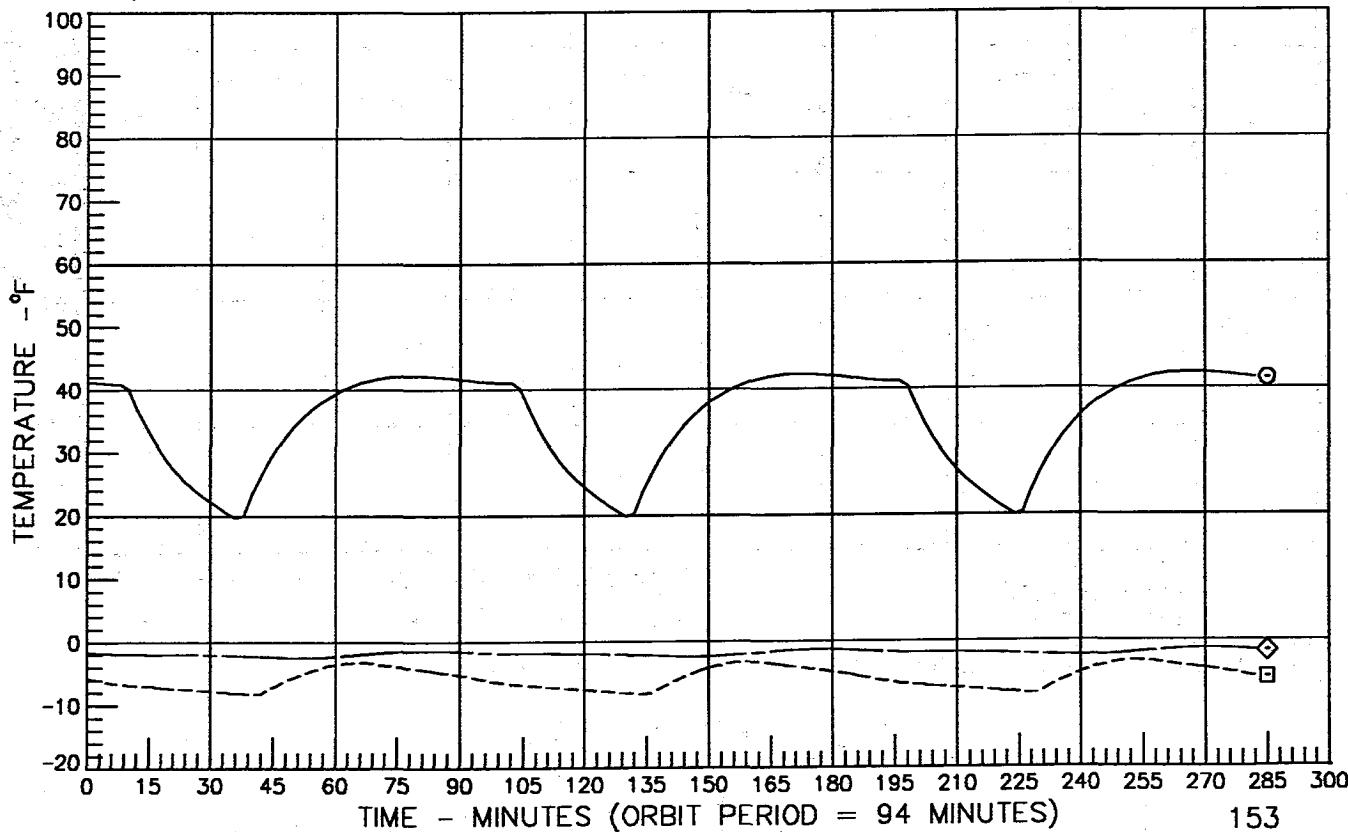
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



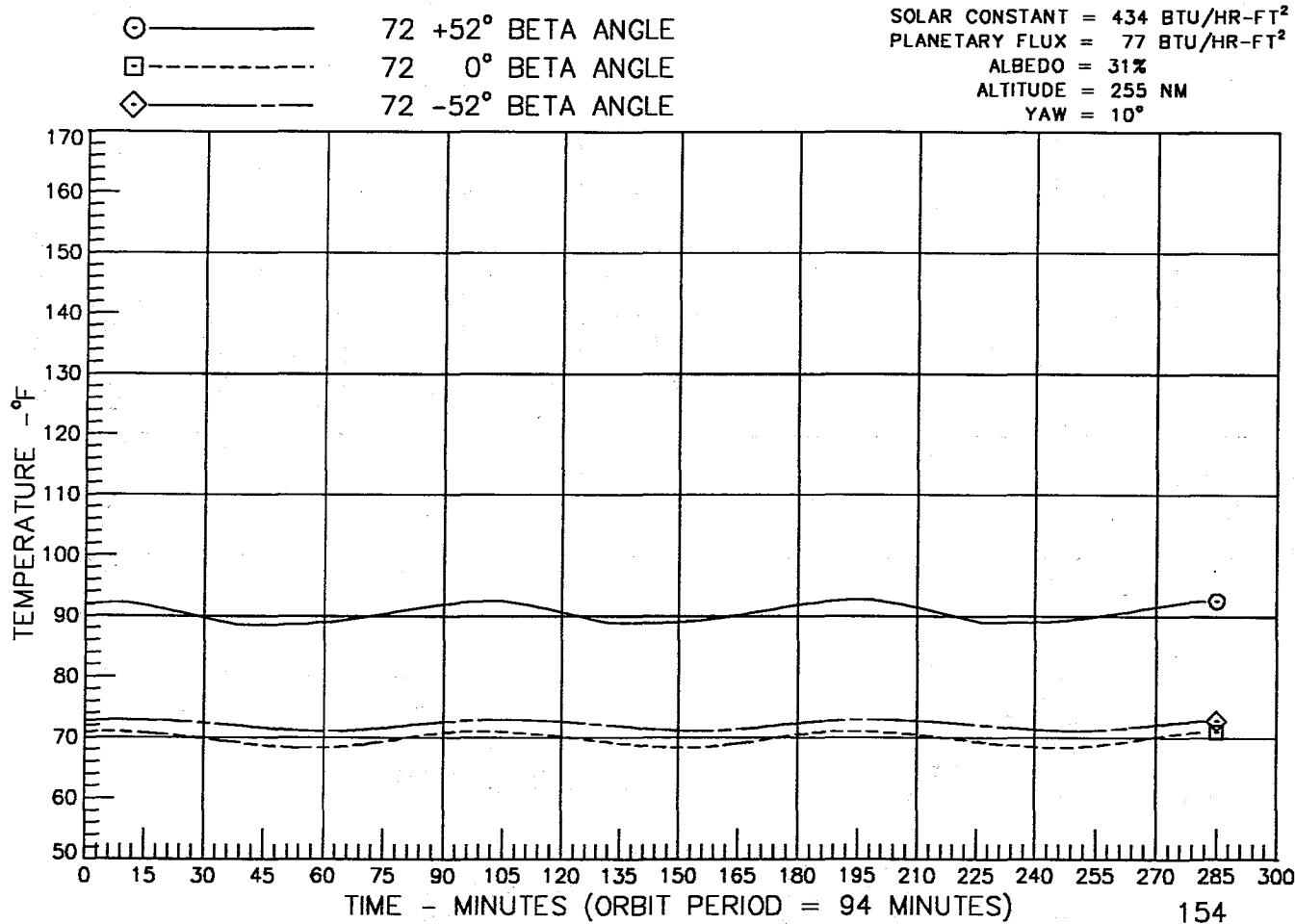
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: E12 - SURFACE

○——— 150 +52° BETA ANGLE  
□----- 150 0° BETA ANGLE  
◊——— 150 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



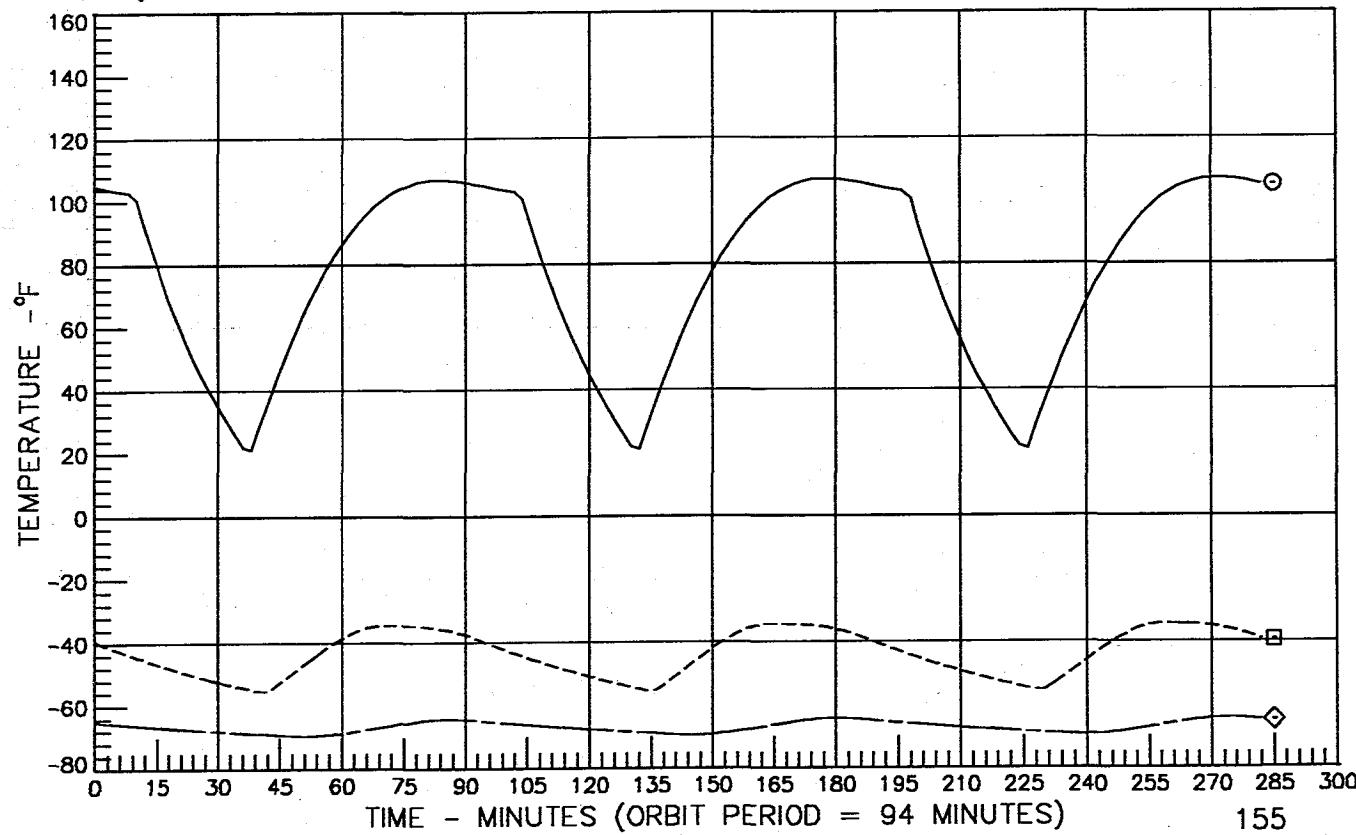
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: F12 - TRAY



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: F12 - SURFACE

○——— 162 +52° BETA ANGLE  
□----- 162 0° BETA ANGLE  
◊----- 162 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: H1 - TRAY

○----- 90 +52° BETA ANGLE

□----- 90 0° BETA ANGLE

◇----- 90 -52° BETA ANGLE

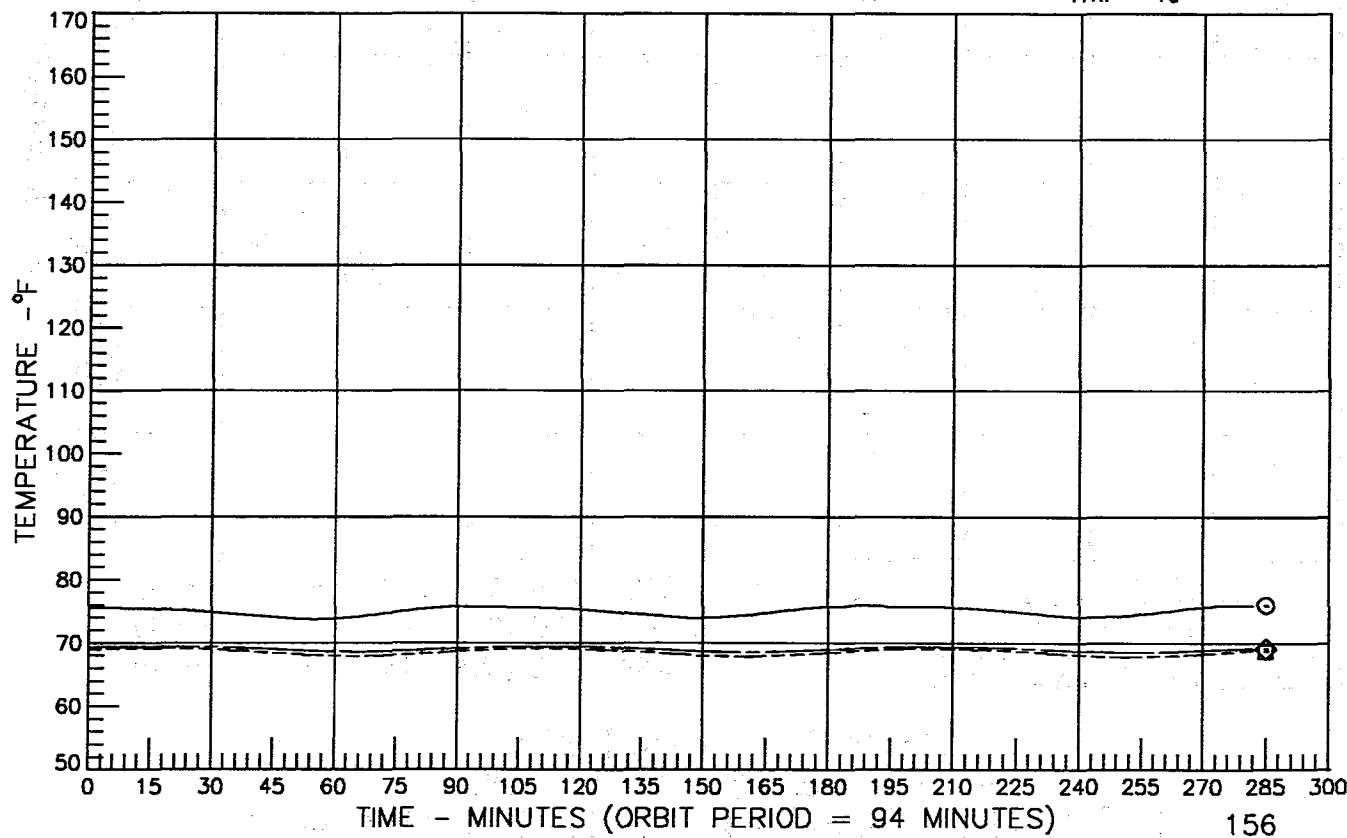
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

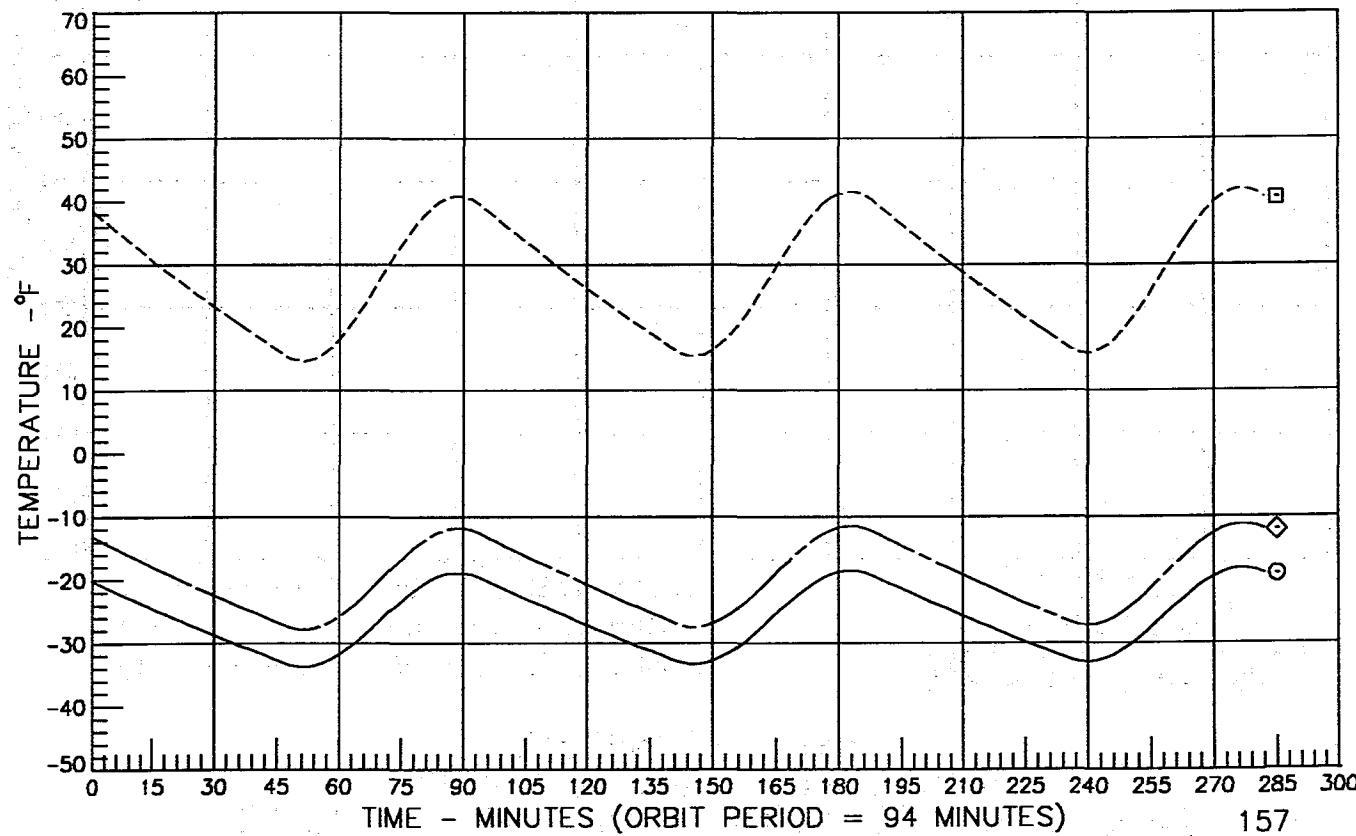
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: H1 - SURFACE

○——— 261 +52° BETA ANGLE  
□----- 261 0° BETA ANGLE  
◊----- 261 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: H3 - TRAY

○ ----- 88 +52° BETA ANGLE

□ ----- 88 0° BETA ANGLE

◇ ----- 88 -52° BETA ANGLE

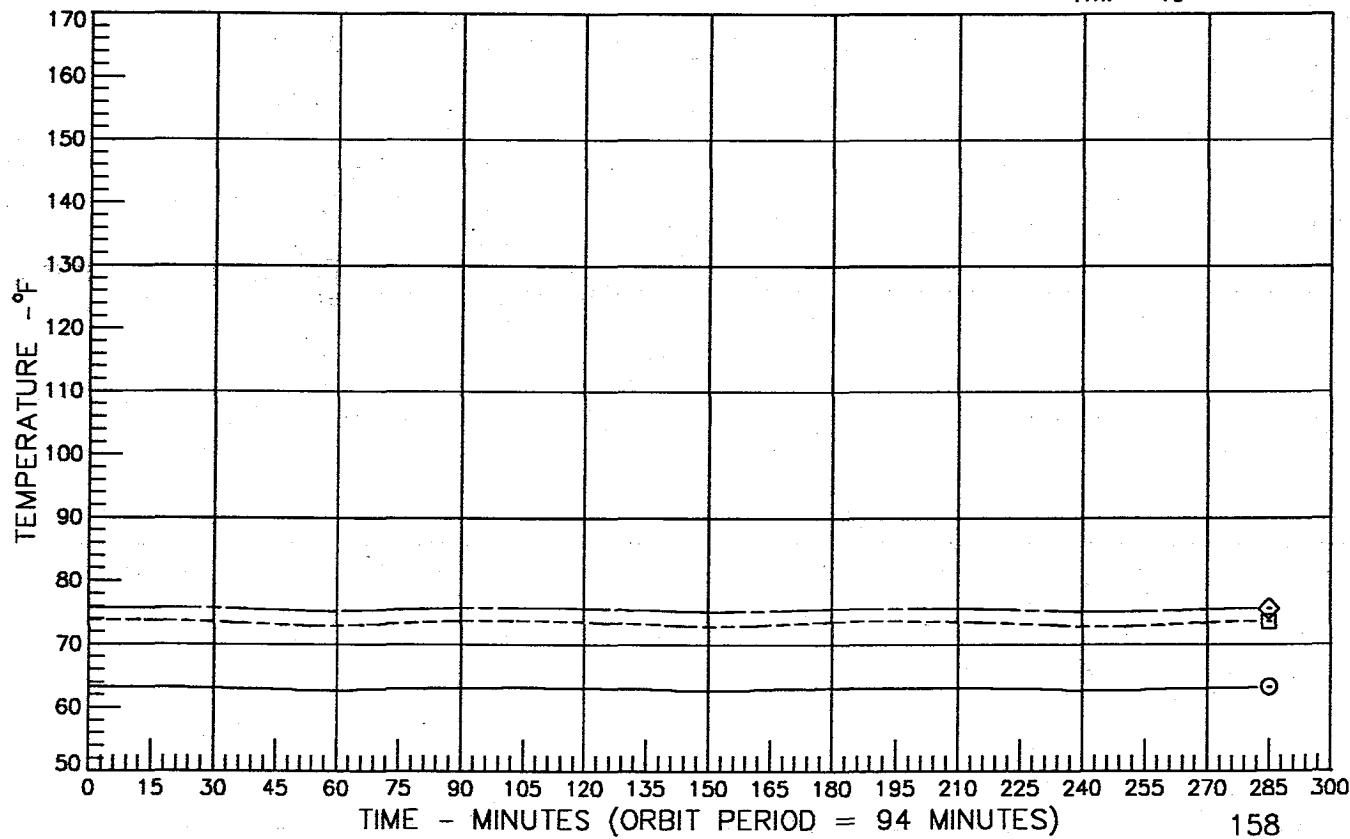
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: H3 - SURFACE

○ ————— 268 +52° BETA ANGLE

□ ————— 268 0° BETA ANGLE

◊ ————— 268 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

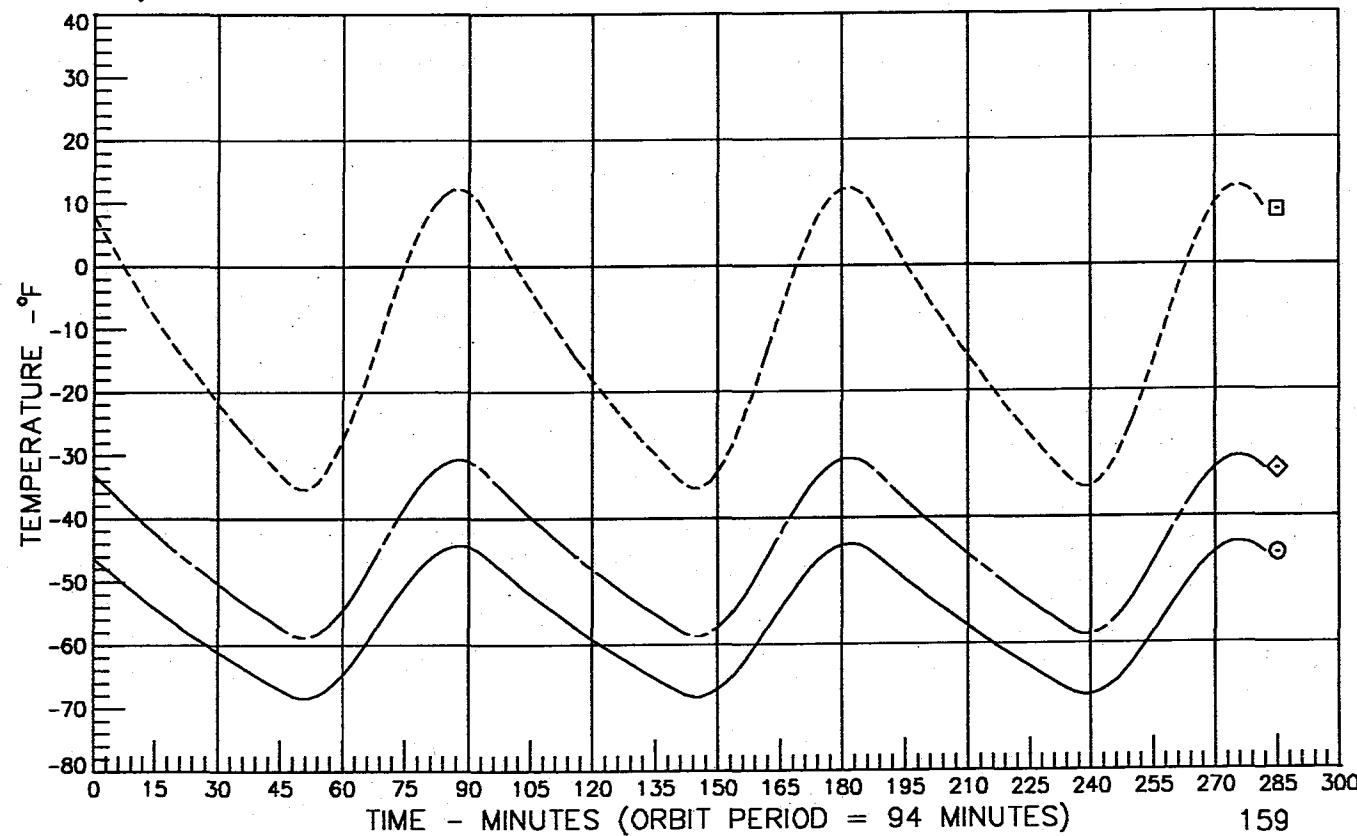
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°

EAST - 159



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: H5 - TRAY

○-----

85 +52° BETA ANGLE

□-----

85 0° BETA ANGLE

◇-----

85 -52° BETA ANGLE

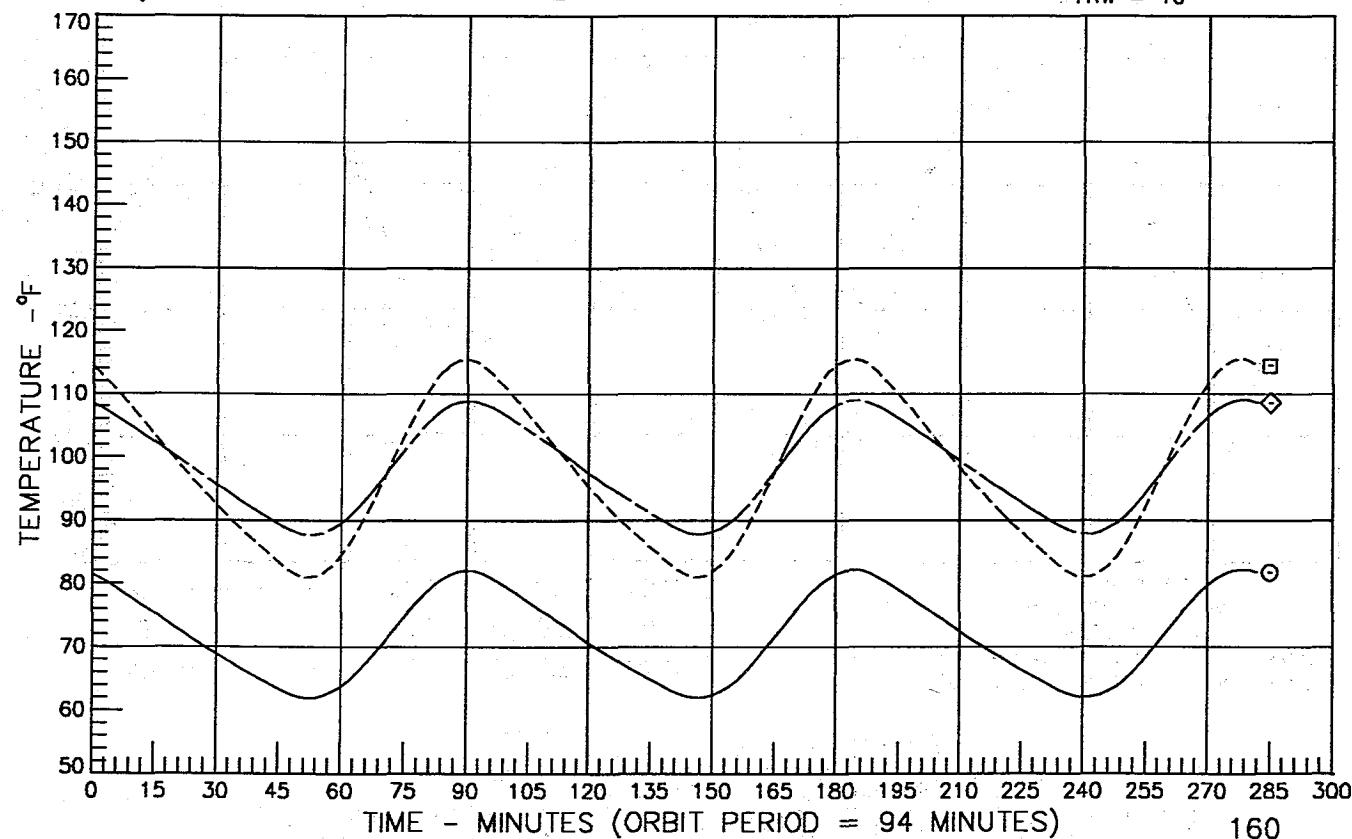
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

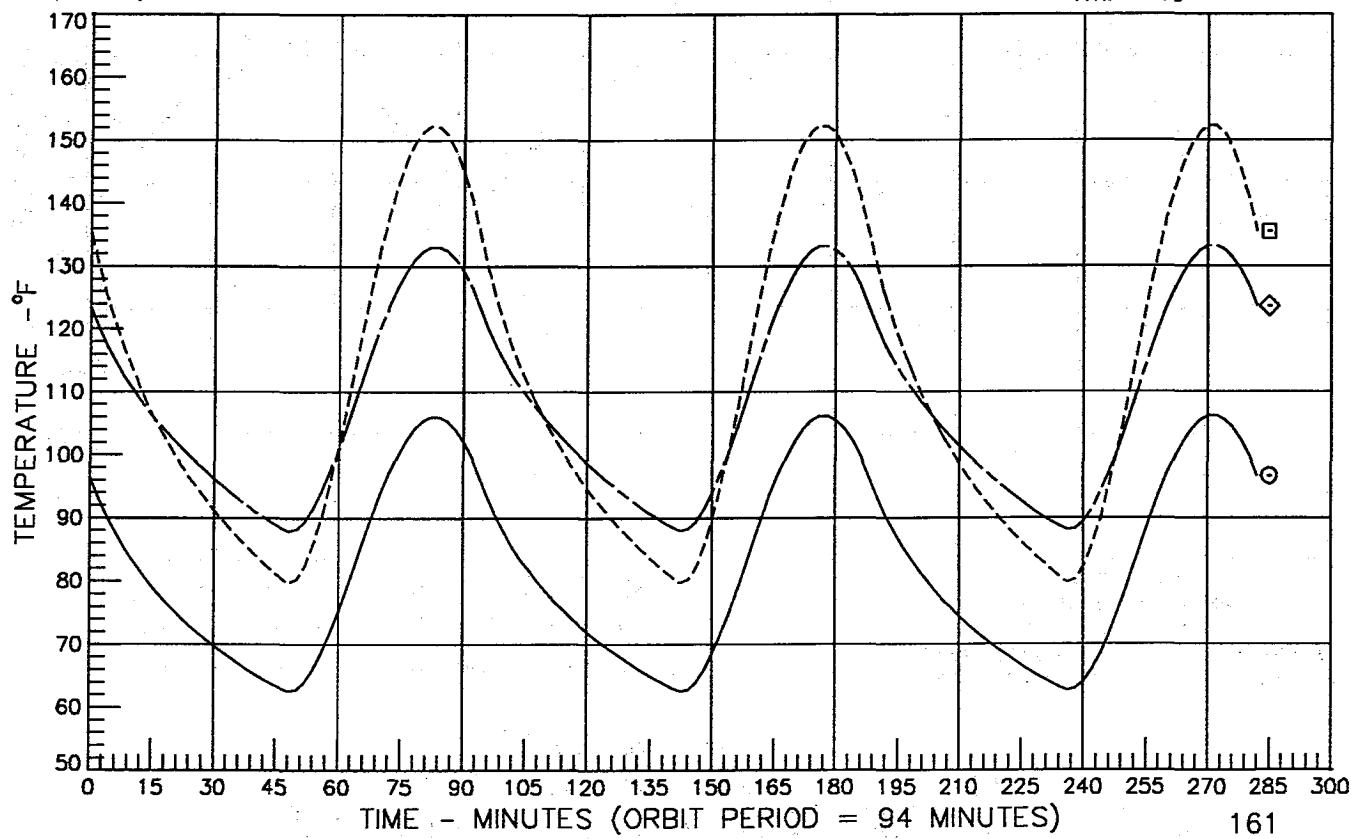
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: H5 - SURFACE

- ————— 265 +52° BETA ANGLE
- ----- 265 0° BETA ANGLE
- ◊ ----- 265 -52° BETA ANGLE

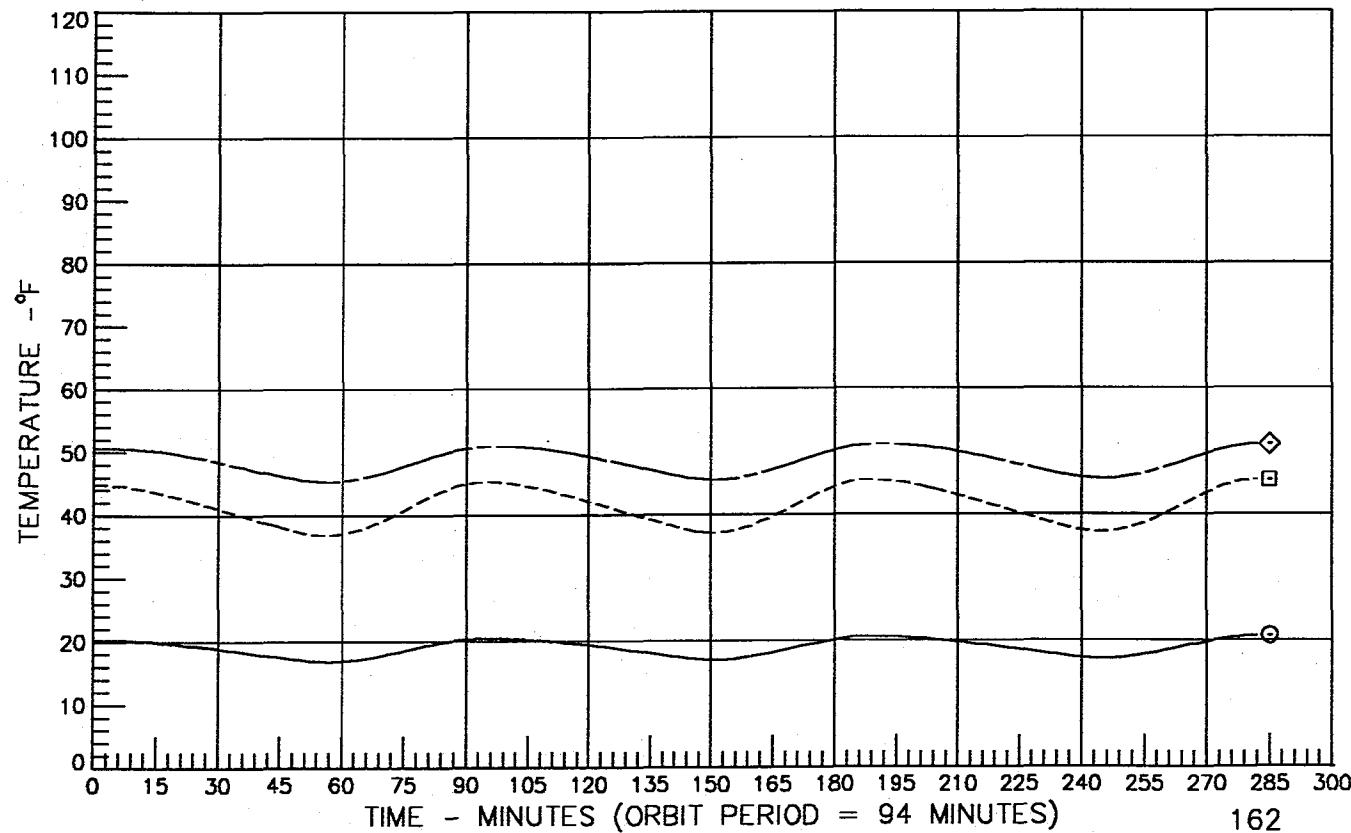
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = .77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: H6 - TRAY

○——— 84 +52° BETA ANGLE  
□----- 84 0° BETA ANGLE  
◊----- 84 -52° BETA ANGLE

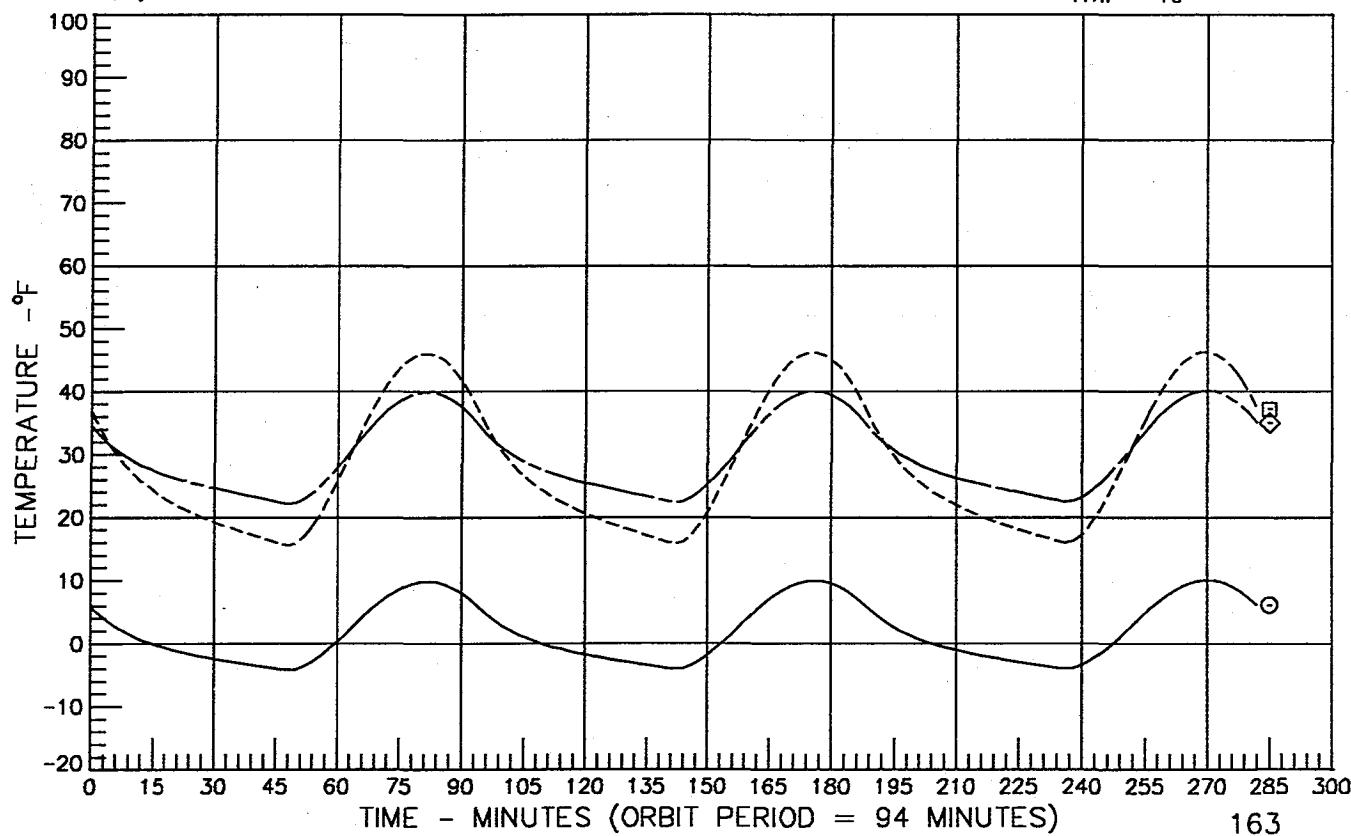
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: H6 - SURFACE

○——— 264 +52° BETA ANGLE  
□----- 264 0° BETA ANGLE  
◇----- 264 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: H7 - TRAY

○——— 83 +52° BETA ANGLE

□----- 83 0° BETA ANGLE

◊——— 83 -52° BETA ANGLE

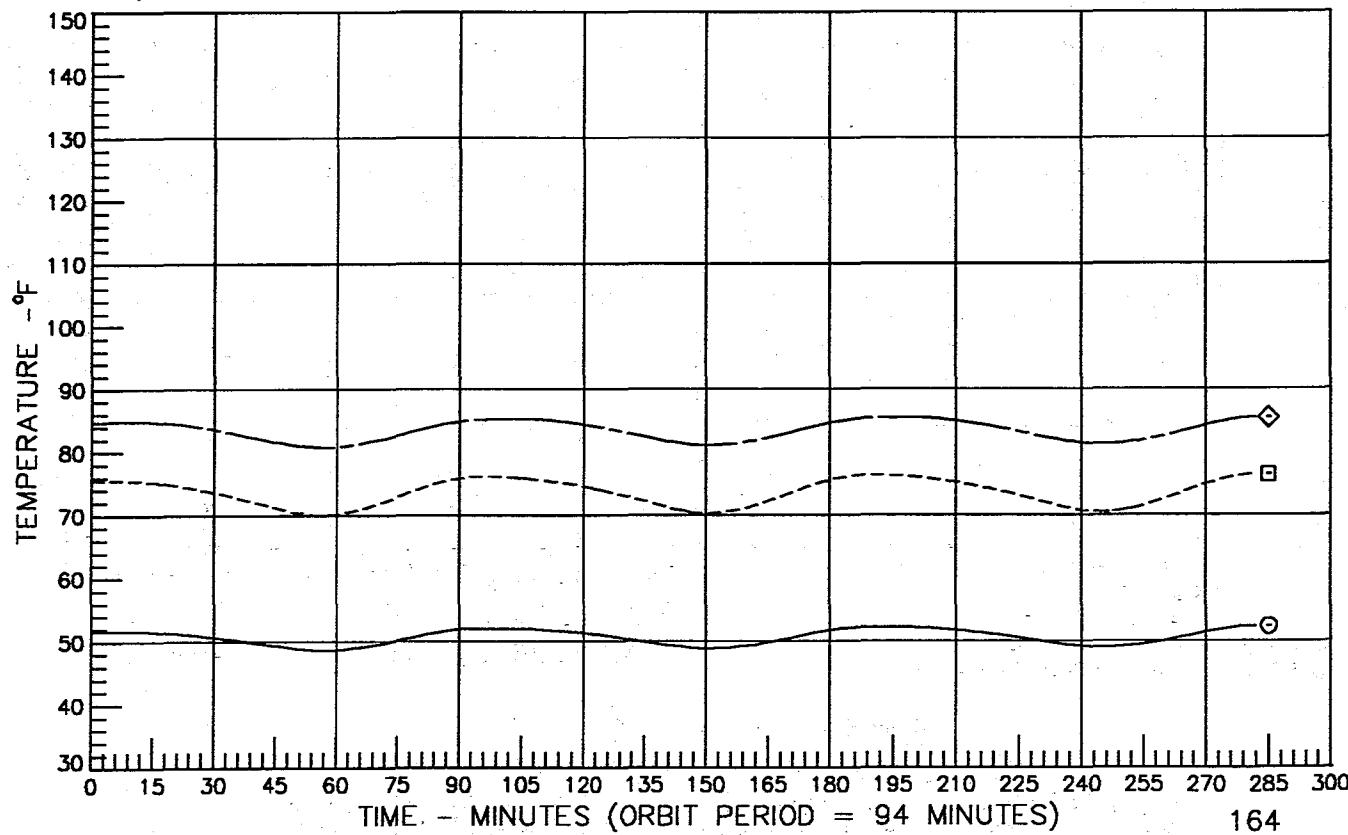
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

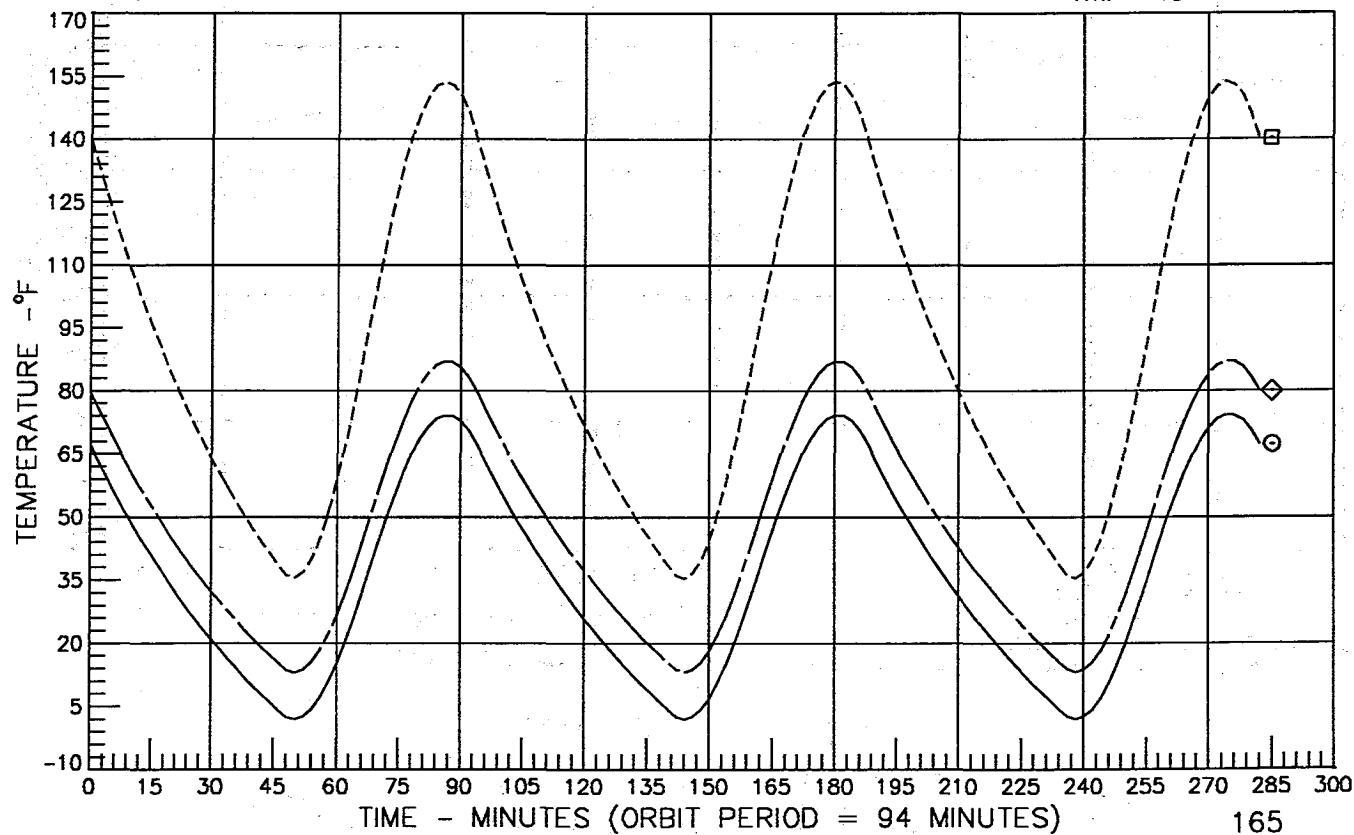
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: H7 - SURFACE

○——— 263 +52° BETA ANGLE  
□——— 263 0° BETA ANGLE  
◊——— 263 -52° BETA ANGLE

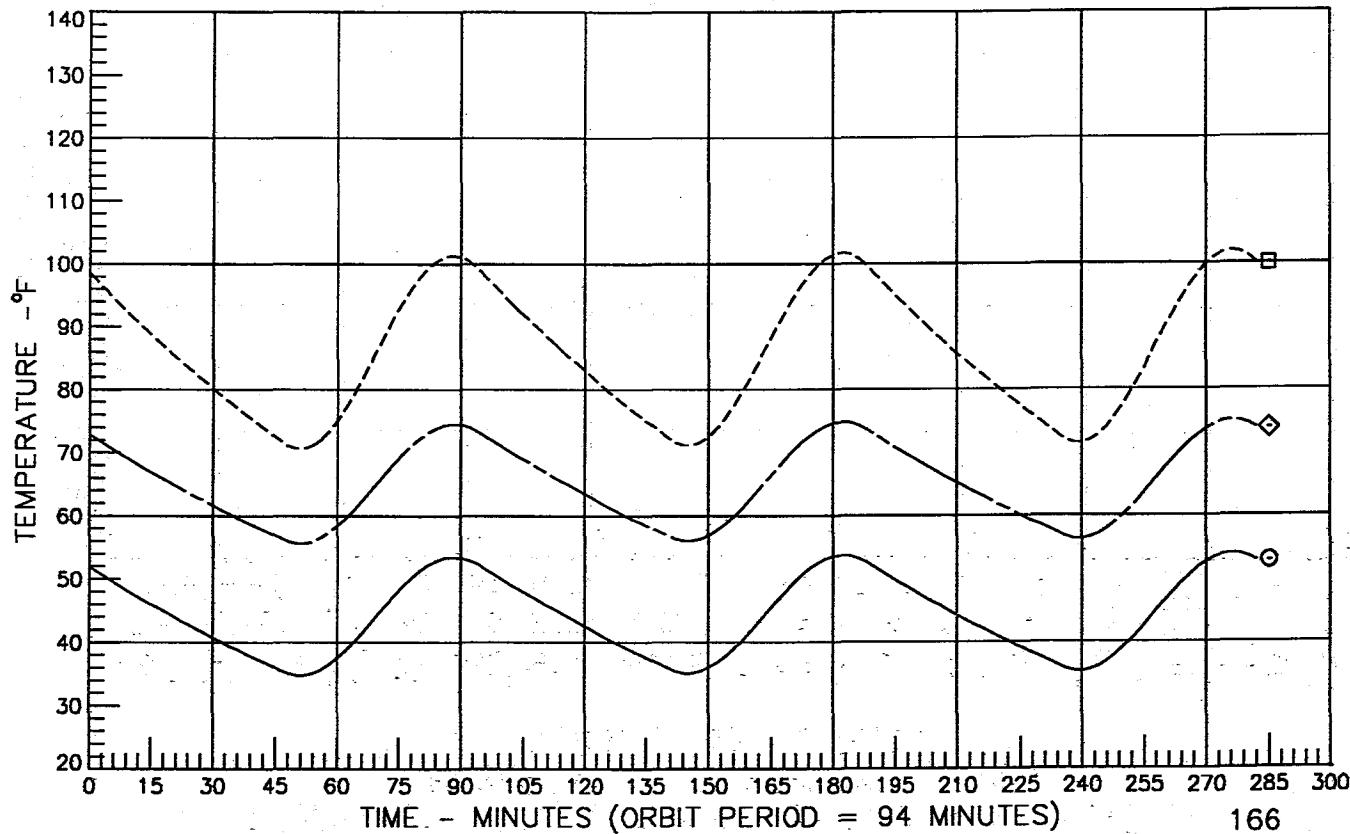
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



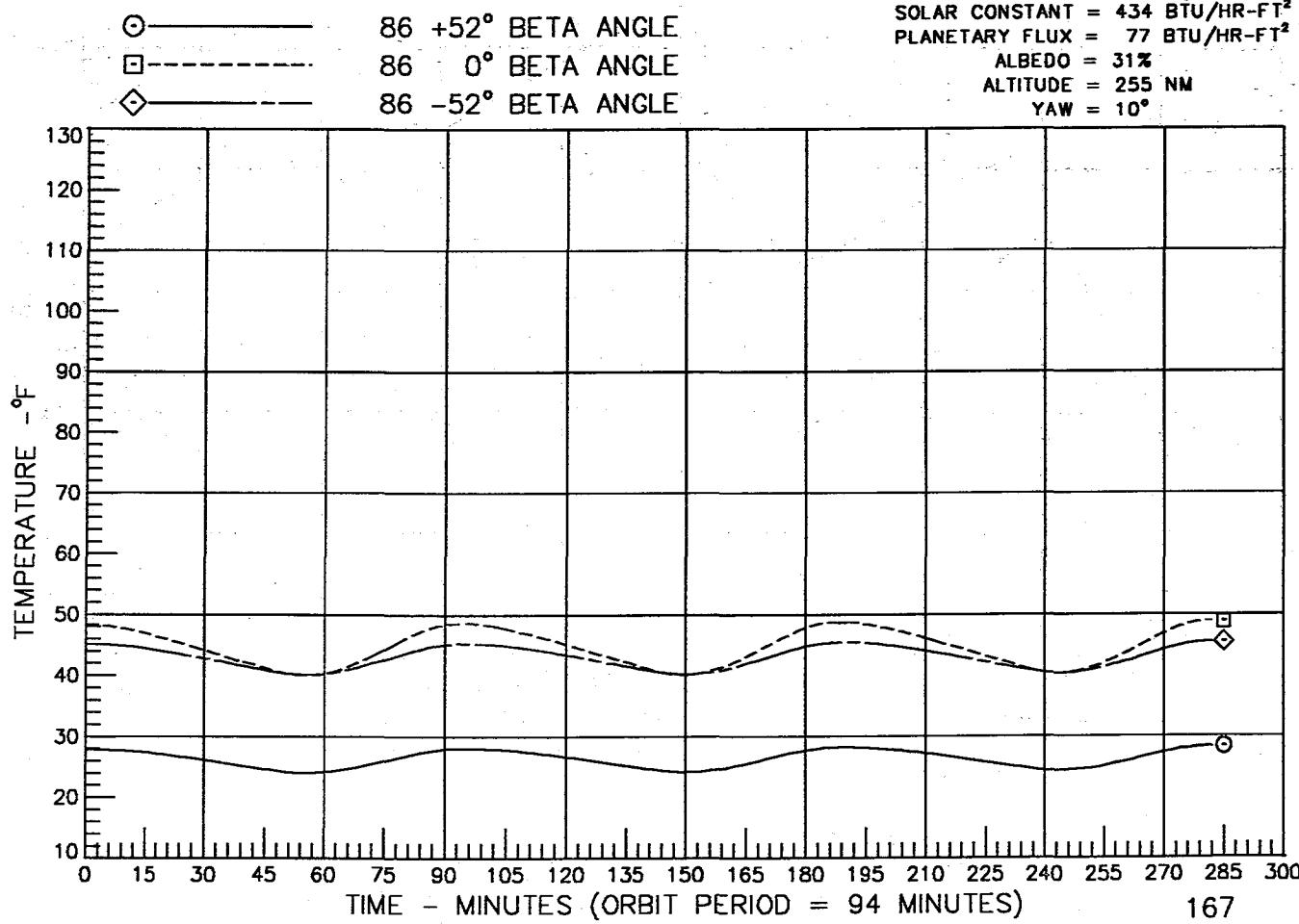
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: H7 - SURFACE

○——— 282 +52° BETA ANGLE  
□----- 282 0° BETA ANGLE  
◊----- 282 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



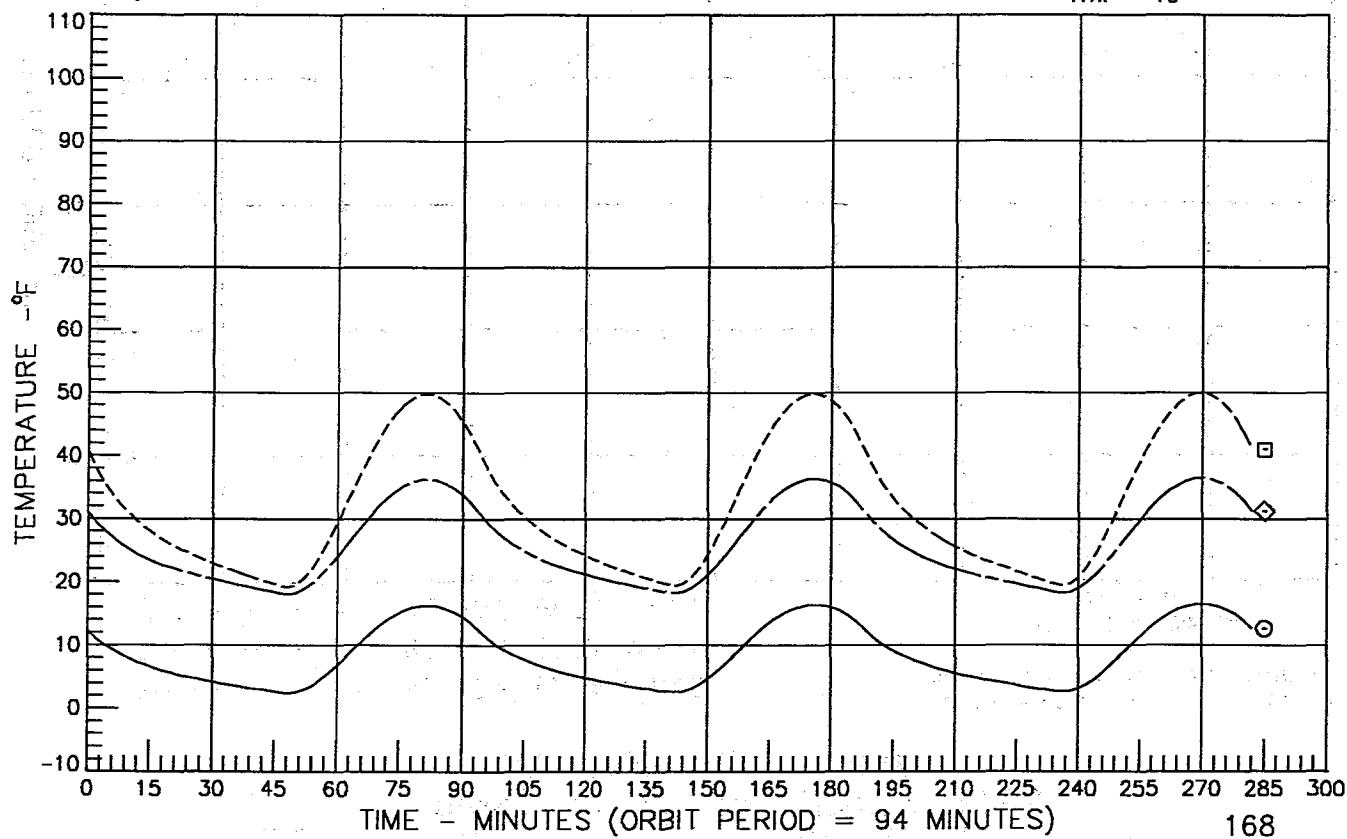
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: H9 - TRAY



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: H9 - SURFACE

○ ----- 266 +52° BETA ANGLE  
□ ----- 266 0° BETA ANGLE  
◇ ----- 266 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°

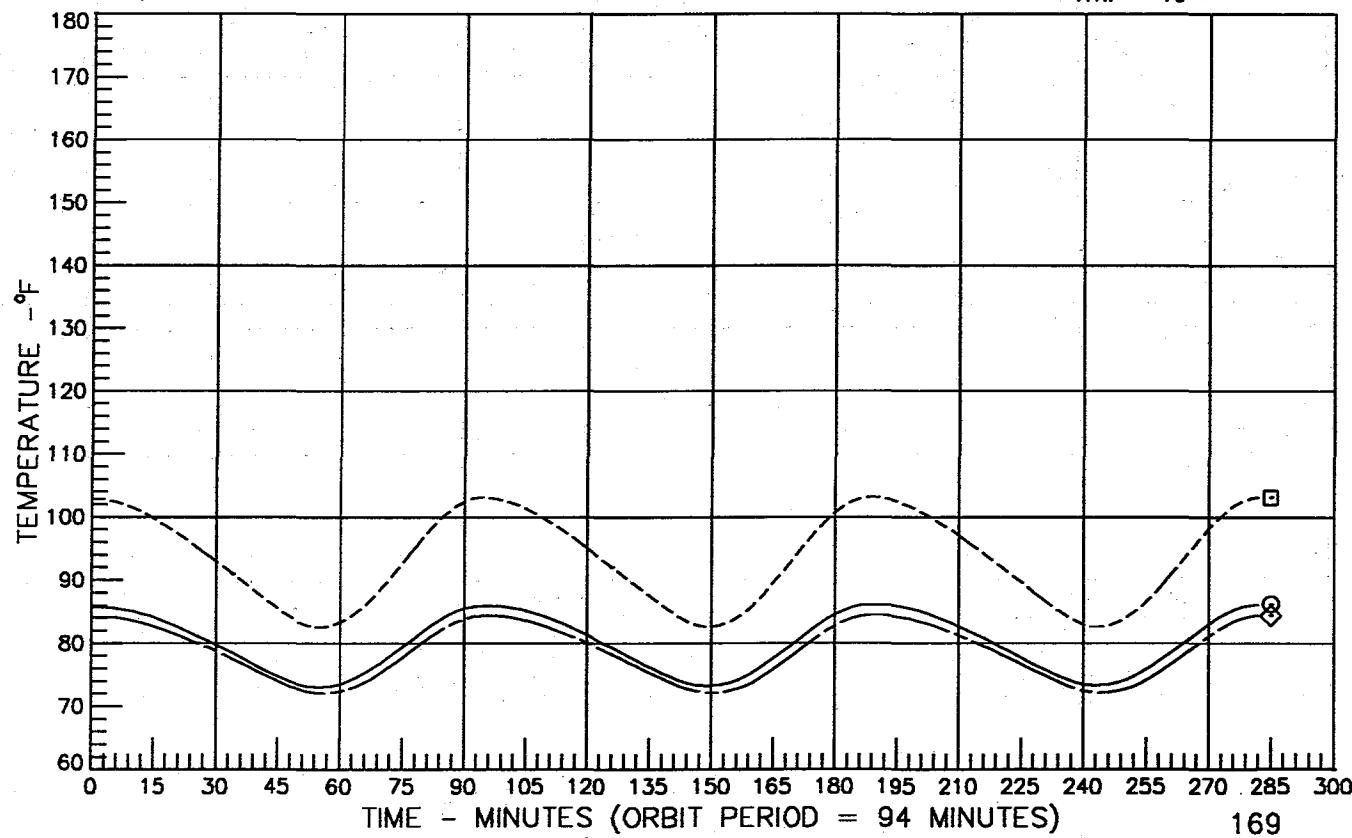


LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: H11 - TRAY

○-----  
□-----  
◇-----

82 +52° BETA ANGLE  
82 0° BETA ANGLE  
82 -52° BETA ANGLE

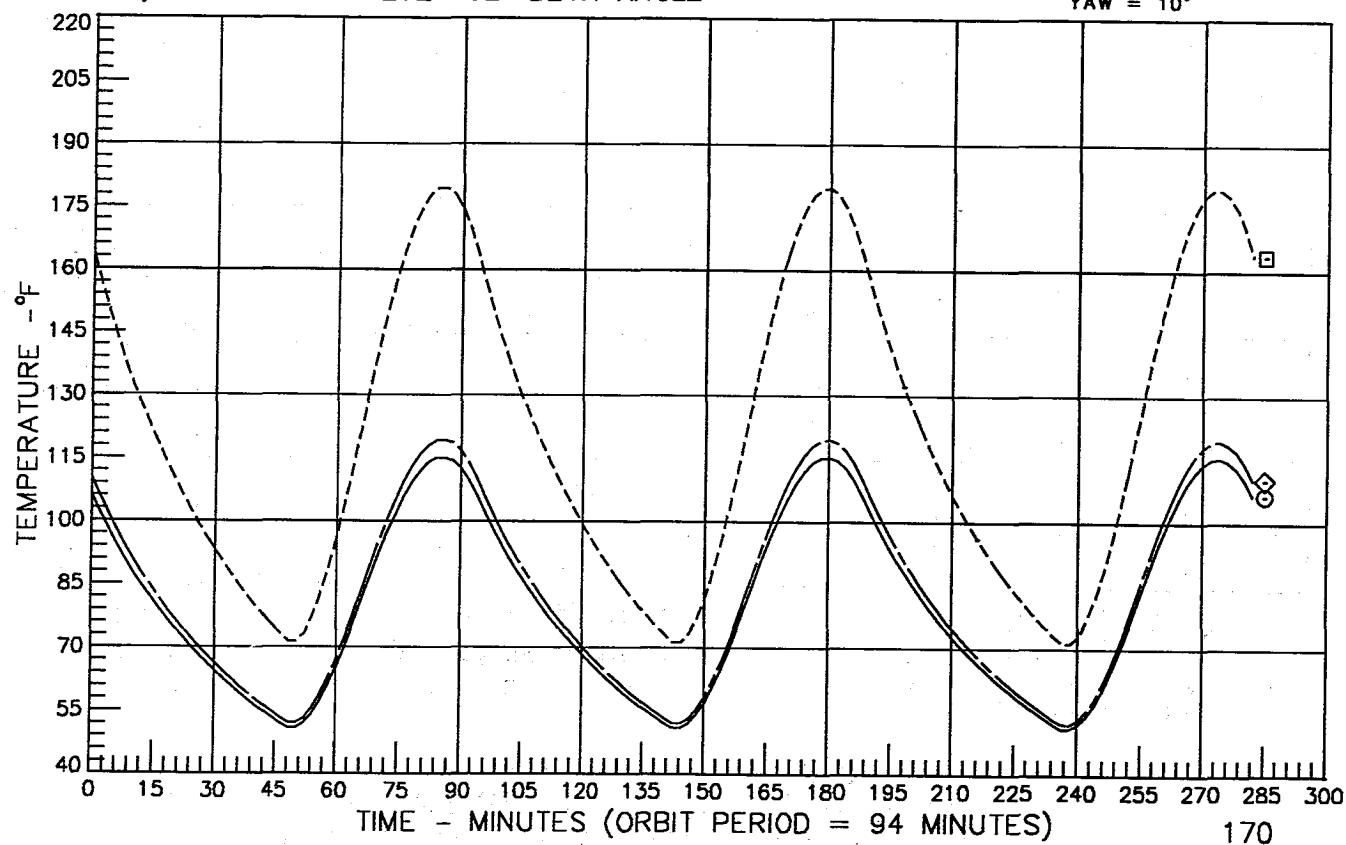
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: H11 - SURFACE

- 262 +52° BETA ANGLE
- 262 0° BETA ANGLE
- ◇----- 262 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: H12 - TRAY

○----- 89 +52° BETA ANGLE

□----- 89 0° BETA ANGLE

◊----- 89 -52° BETA ANGLE

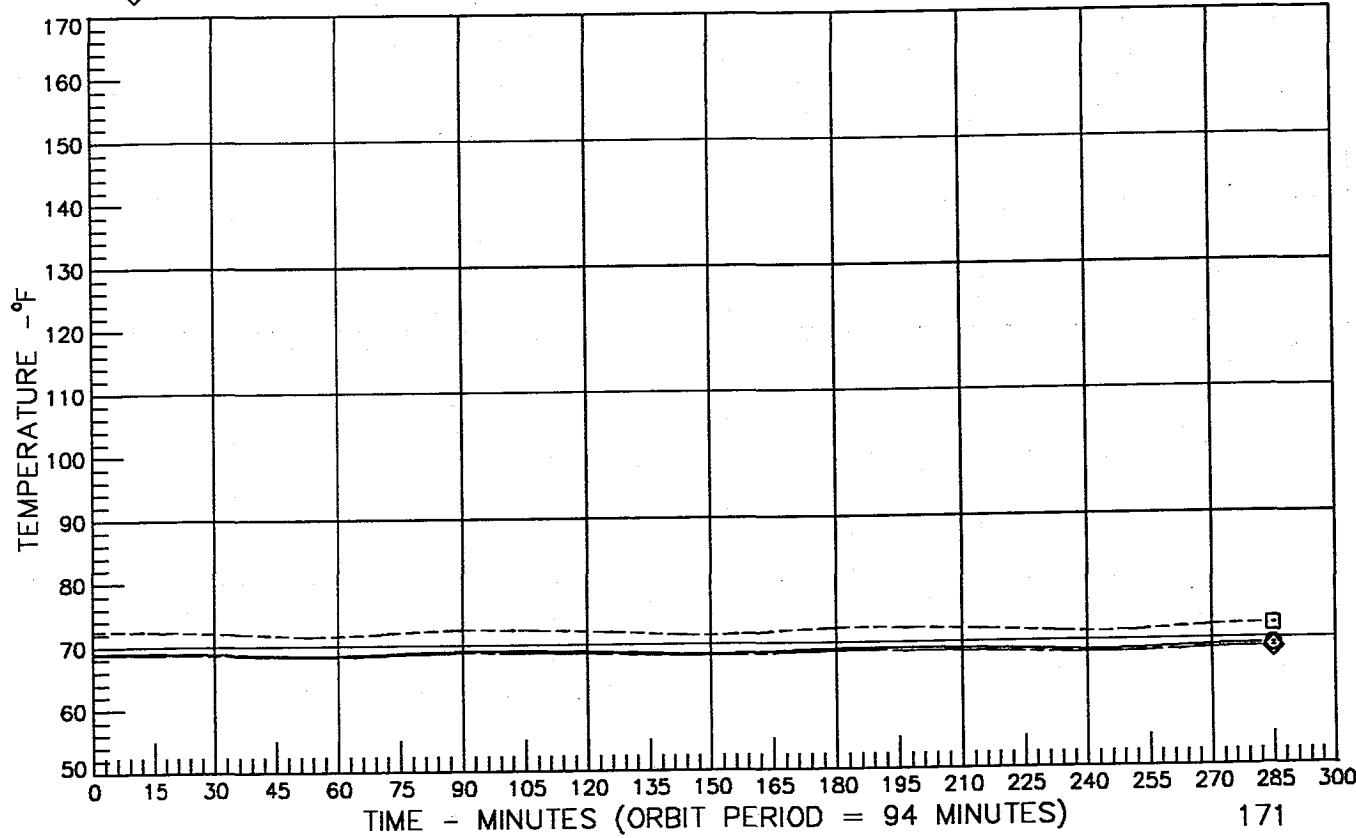
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: H12 - SURFACE

○ ————— 269 +52° BETA ANGLE

□ ----- 269 0° BETA ANGLE

◊ ————— 269 -52° BETA ANGLE

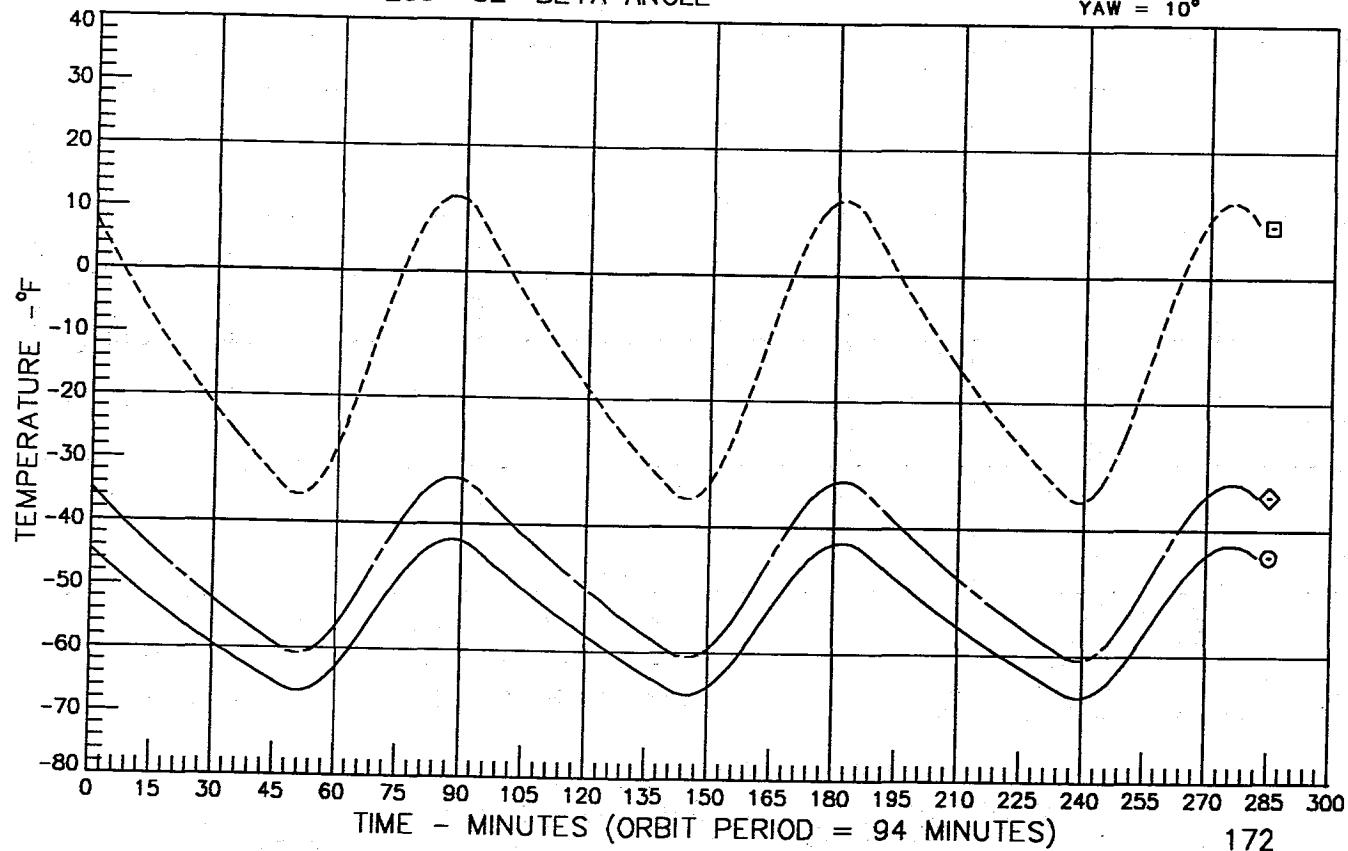
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°

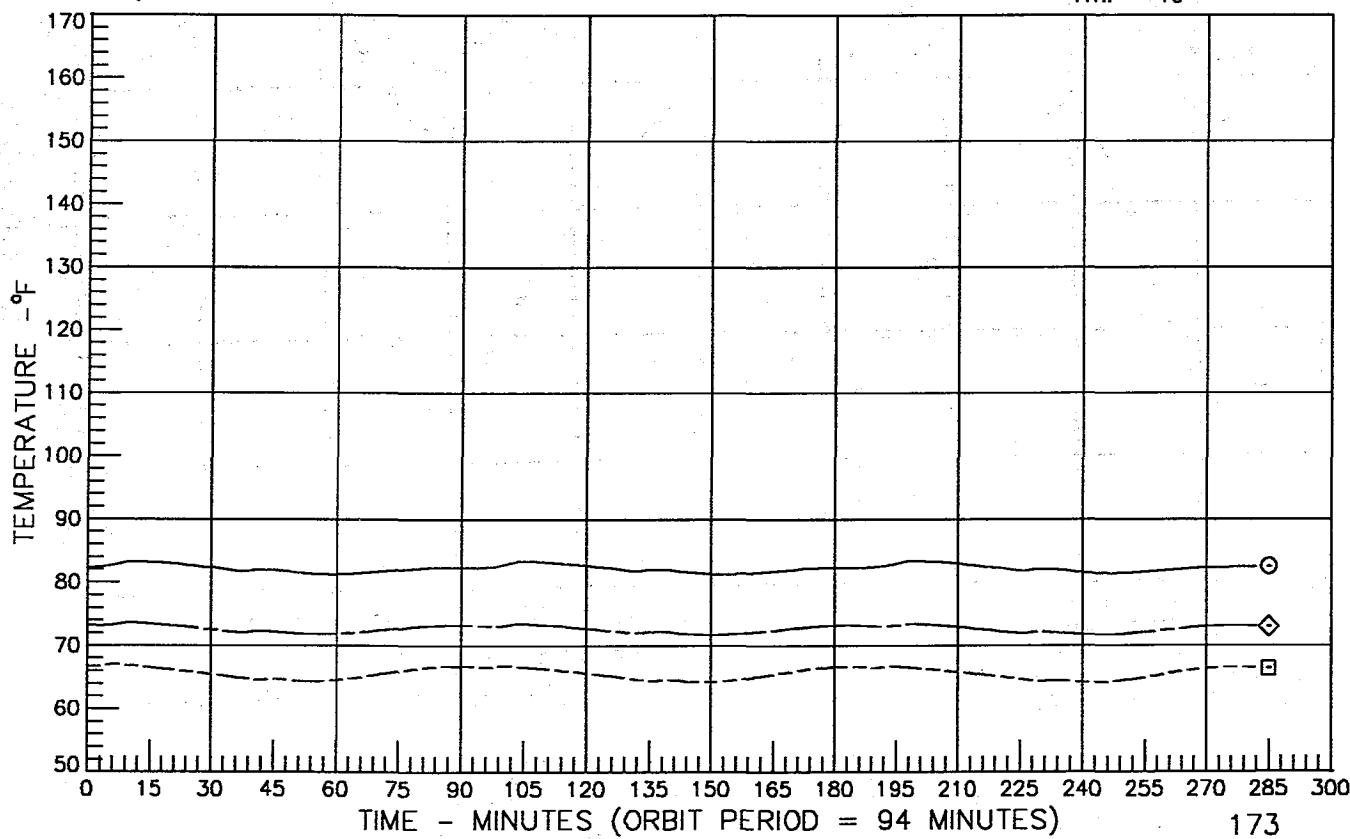


LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: G2 - TRAY

○———  
□-----  
◇-----

81 +52° BETA ANGLE  
81 0° BETA ANGLE  
81 -52° BETA ANGLE

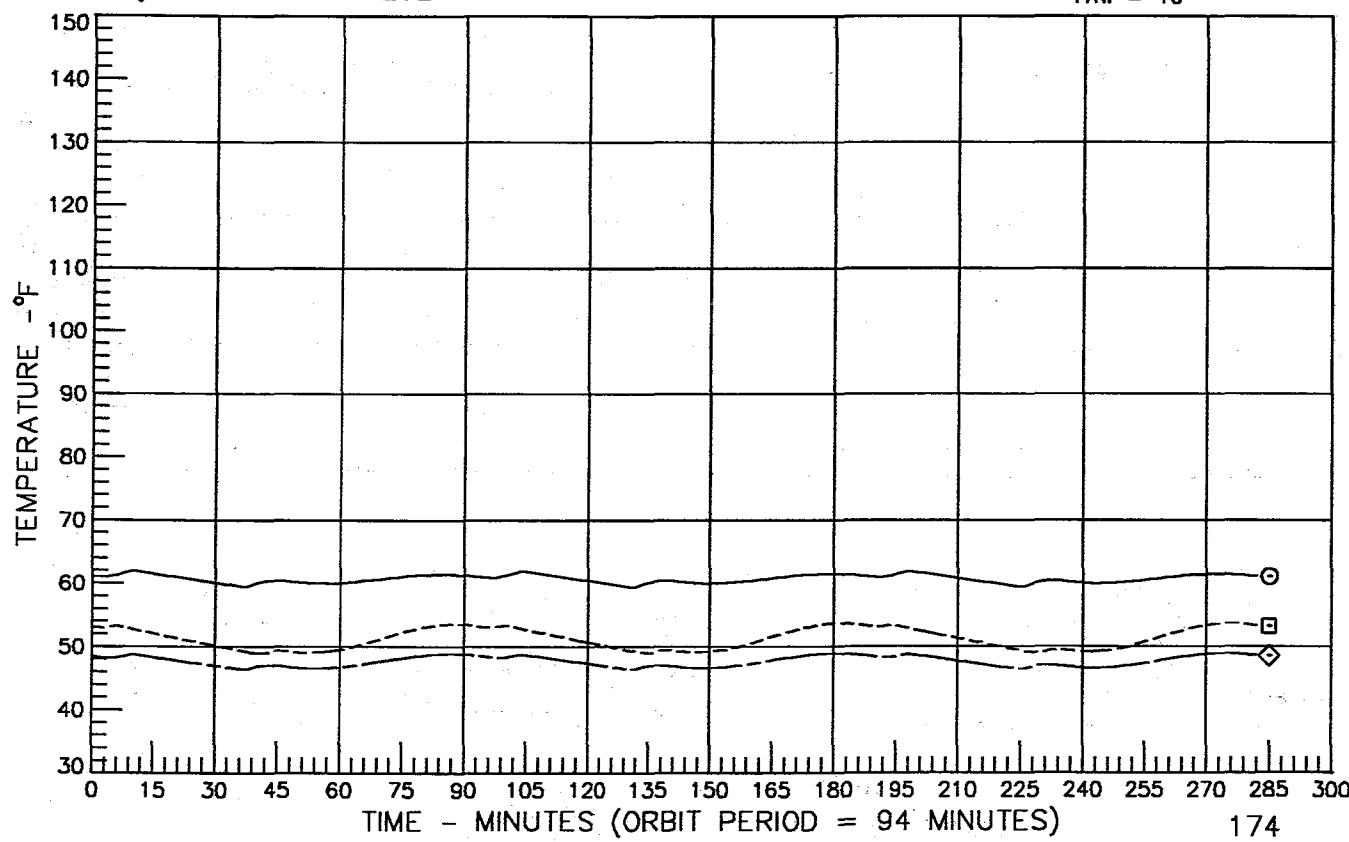
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: G2 - SURFACE

○——— 252 +52° BETA ANGLE  
□----- 252 0° BETA ANGLE  
◊----- 252 -52° BETA ANGLE

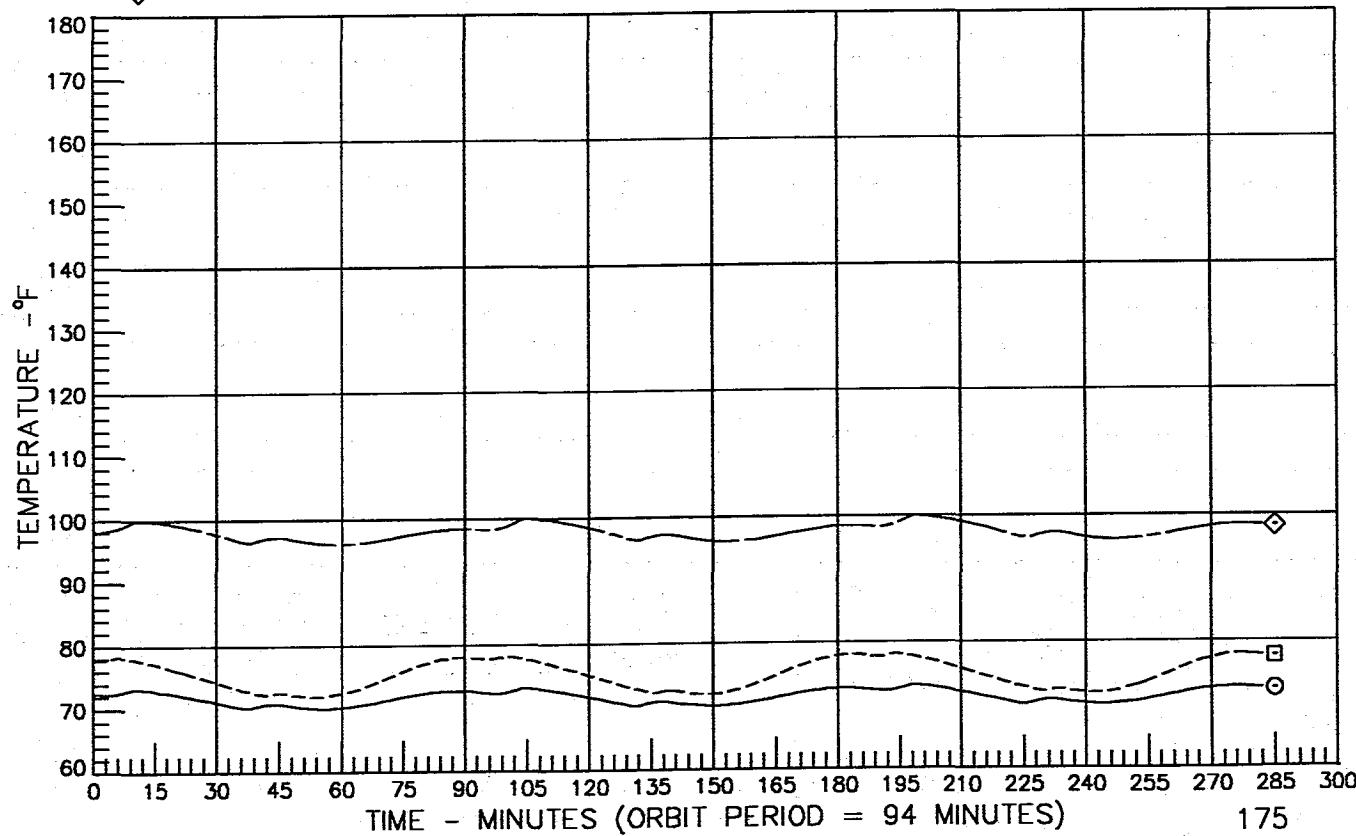
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: G4 - TRAY

○ ————— 75 +52° BETA ANGLE  
□ ----- 75 0° BETA ANGLE  
◊ ----- 75 -52° BETA ANGLE

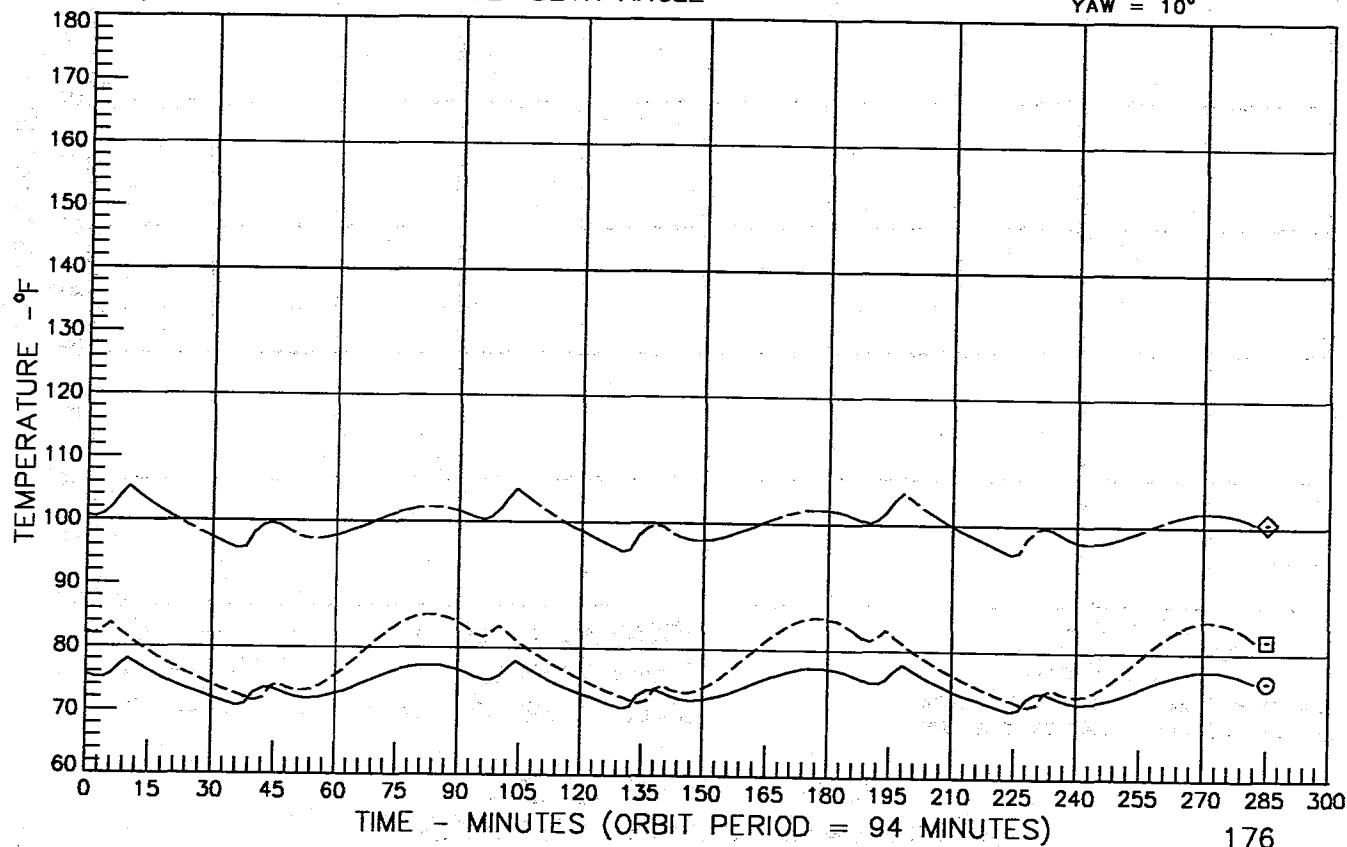
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: G4 - SURFACE

○ ————— 255 +52° BETA ANGLE  
□ ----- 255 0° BETA ANGLE  
◇ ————— 255 -52° BETA ANGLE

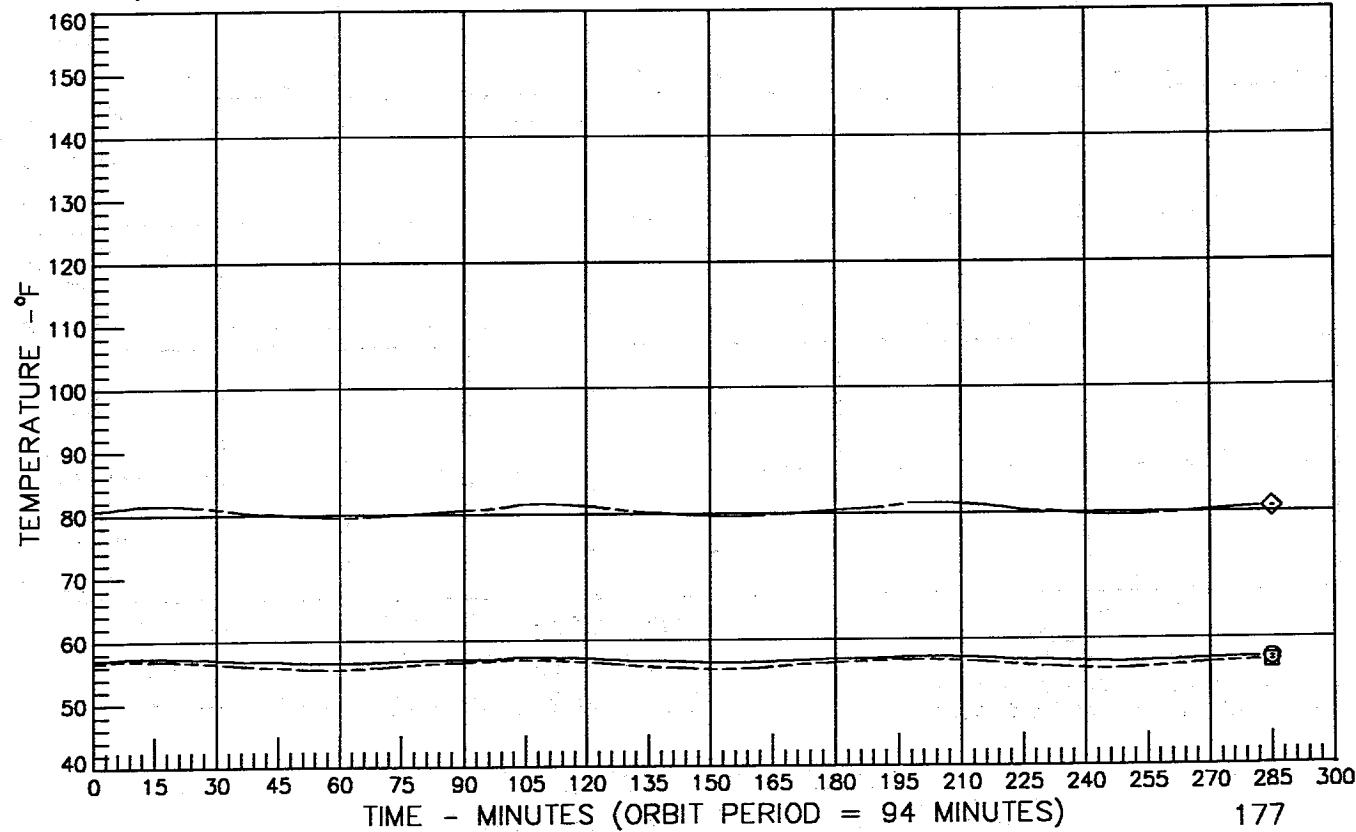
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: G6 - TRAY

○——— 74 +52° BETA ANGLE  
□——— 74 0° BETA ANGLE  
◇——— 74 -52° BETA ANGLE

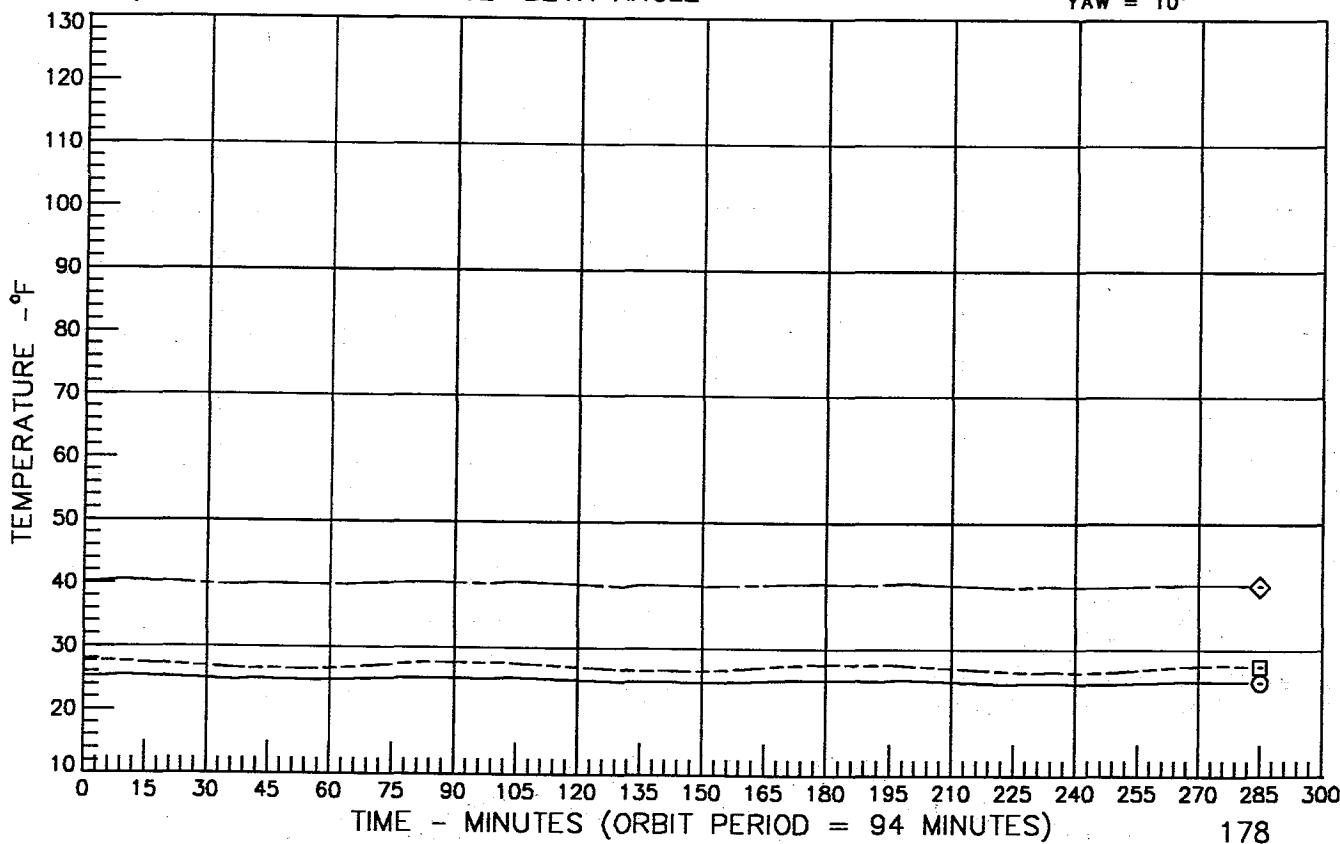
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: G6 - SURFACE

⊖——— 254 +52° BETA ANGLE  
□----- 254 0° BETA ANGLE  
◇——— 254 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: G8 - TRAY

○ ————— 73 +52° BETA ANGLE

□ ----- 73 0° BETA ANGLE

◊ ————— 73 -52° BETA ANGLE

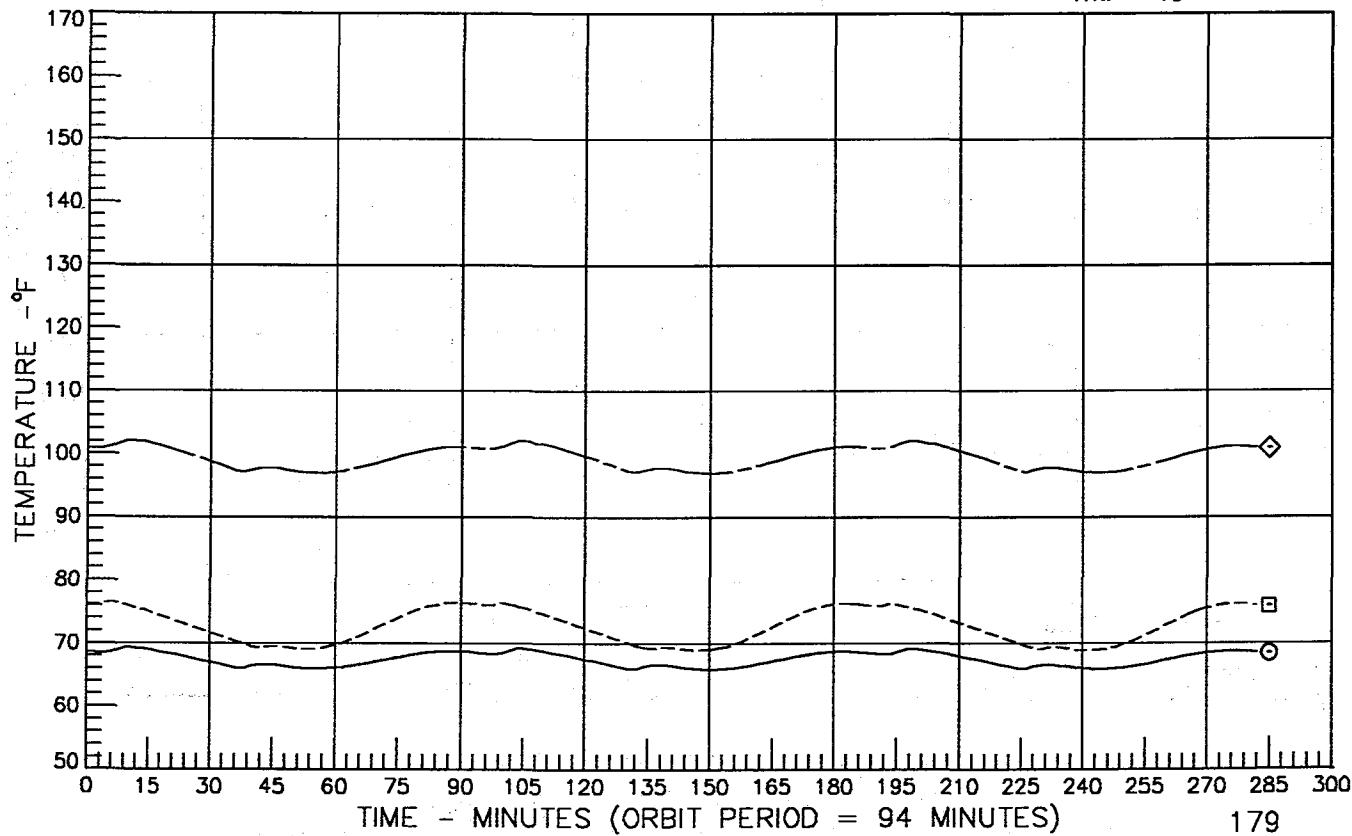
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: G8 - SURFACE

○ ————— 253 +52° BETA ANGLE

□ ----- 253 0° BETA ANGLE

◊ ————— 253 -52° BETA ANGLE

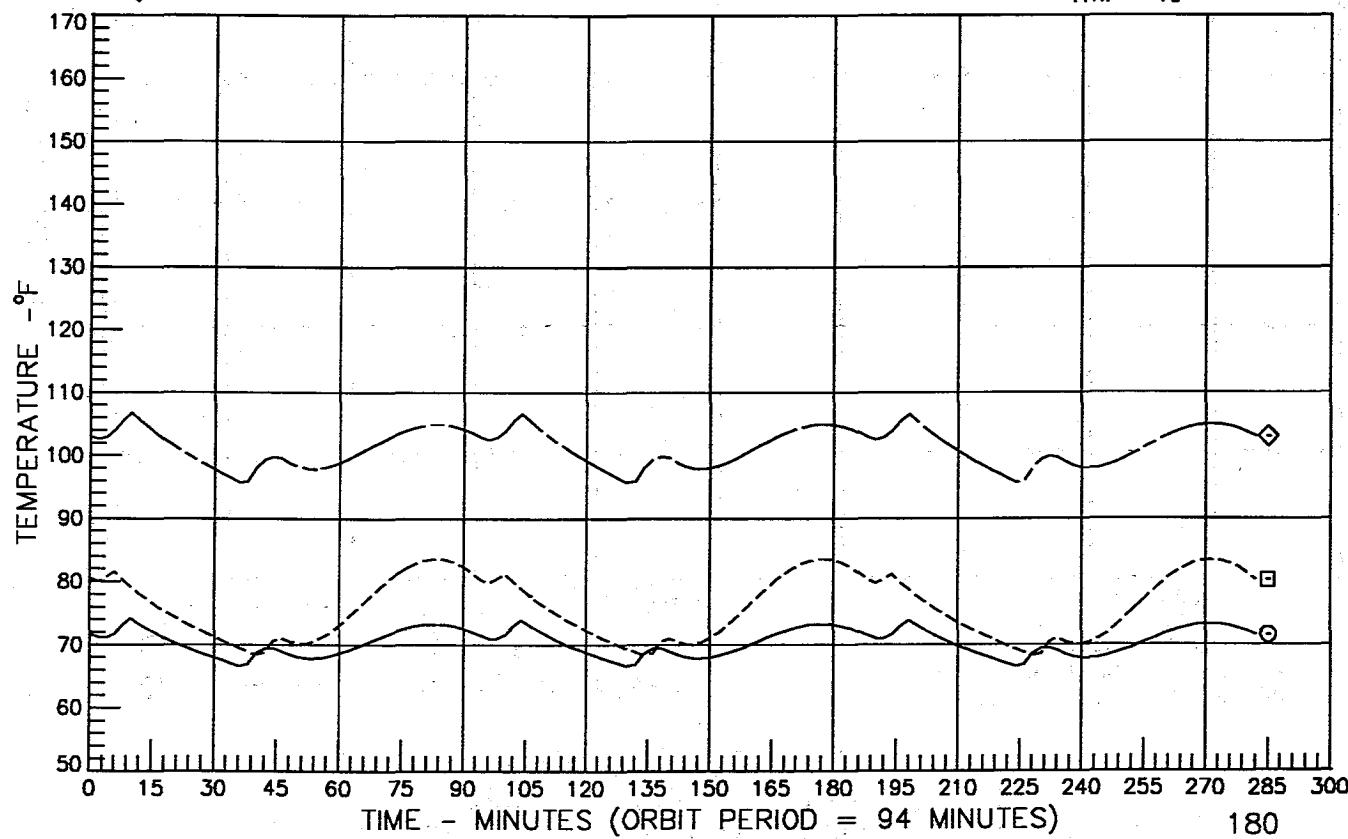
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: G10 - TRAY

○ ————— 79 +52° BETA ANGLE

□ ----- 79 0° BETA ANGLE

◇ ----- 79 -52° BETA ANGLE

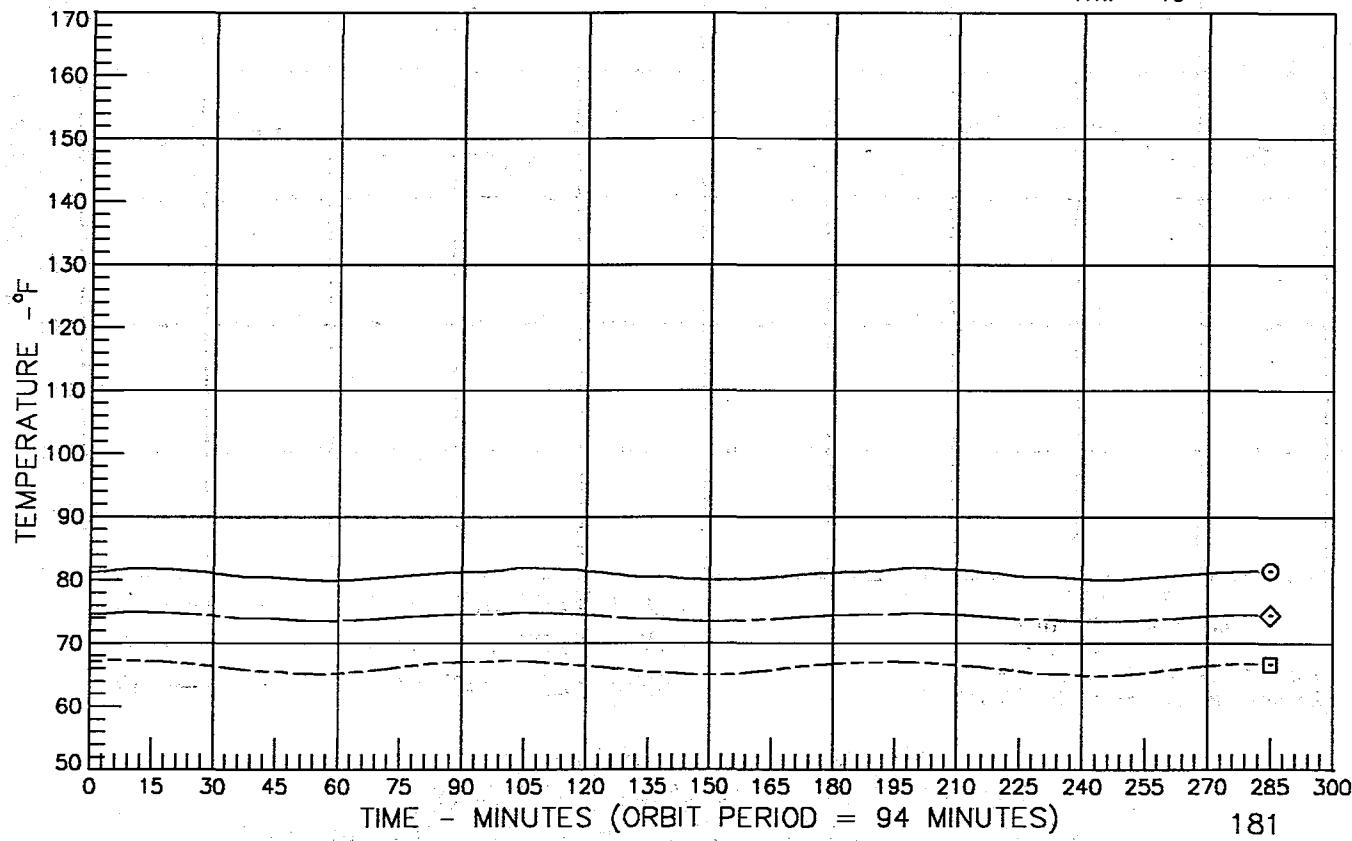
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

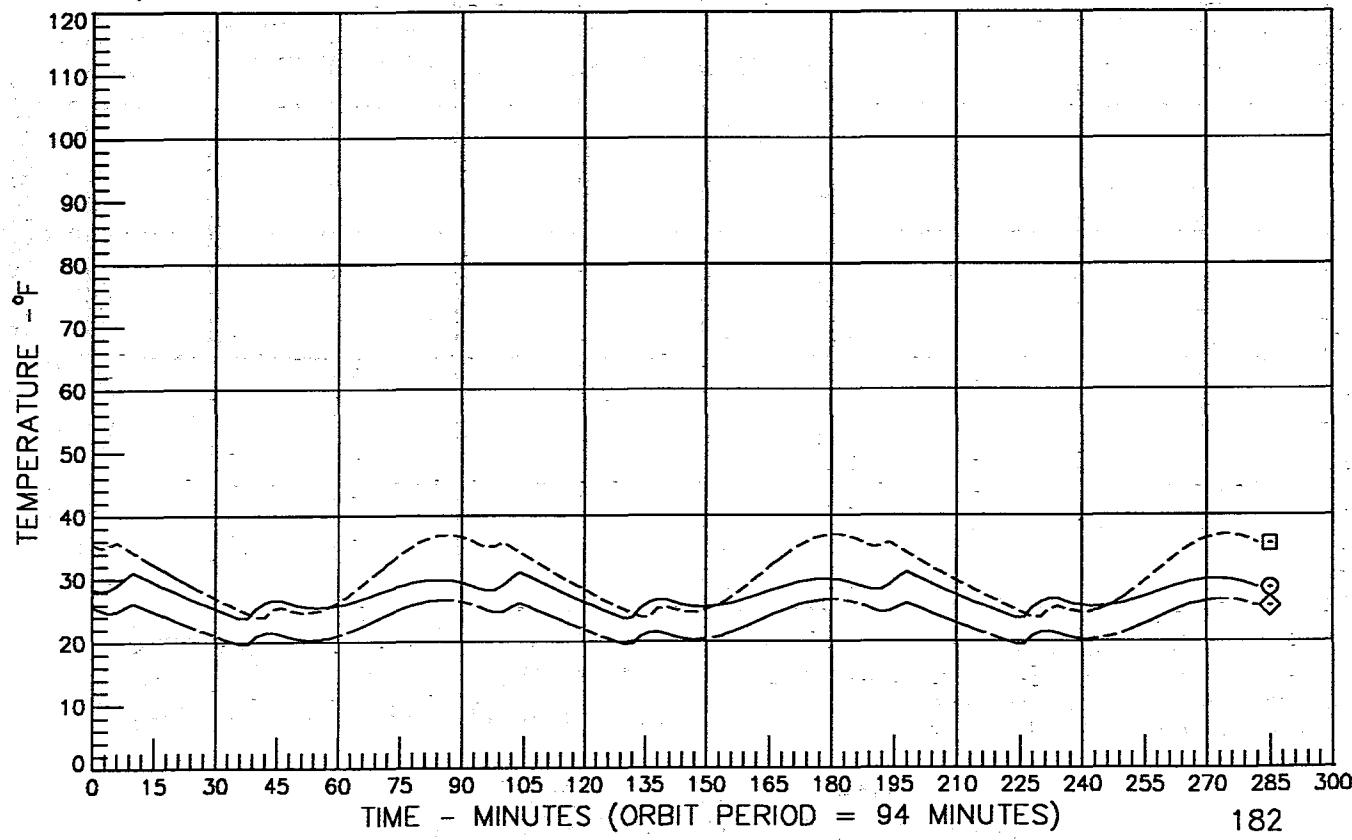
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: G10 - SURFACE

- ————— 259 +52° BETA ANGLE
- ----- 259 0° BETA ANGLE
- ◊ ----- 259 -52° BETA ANGLE

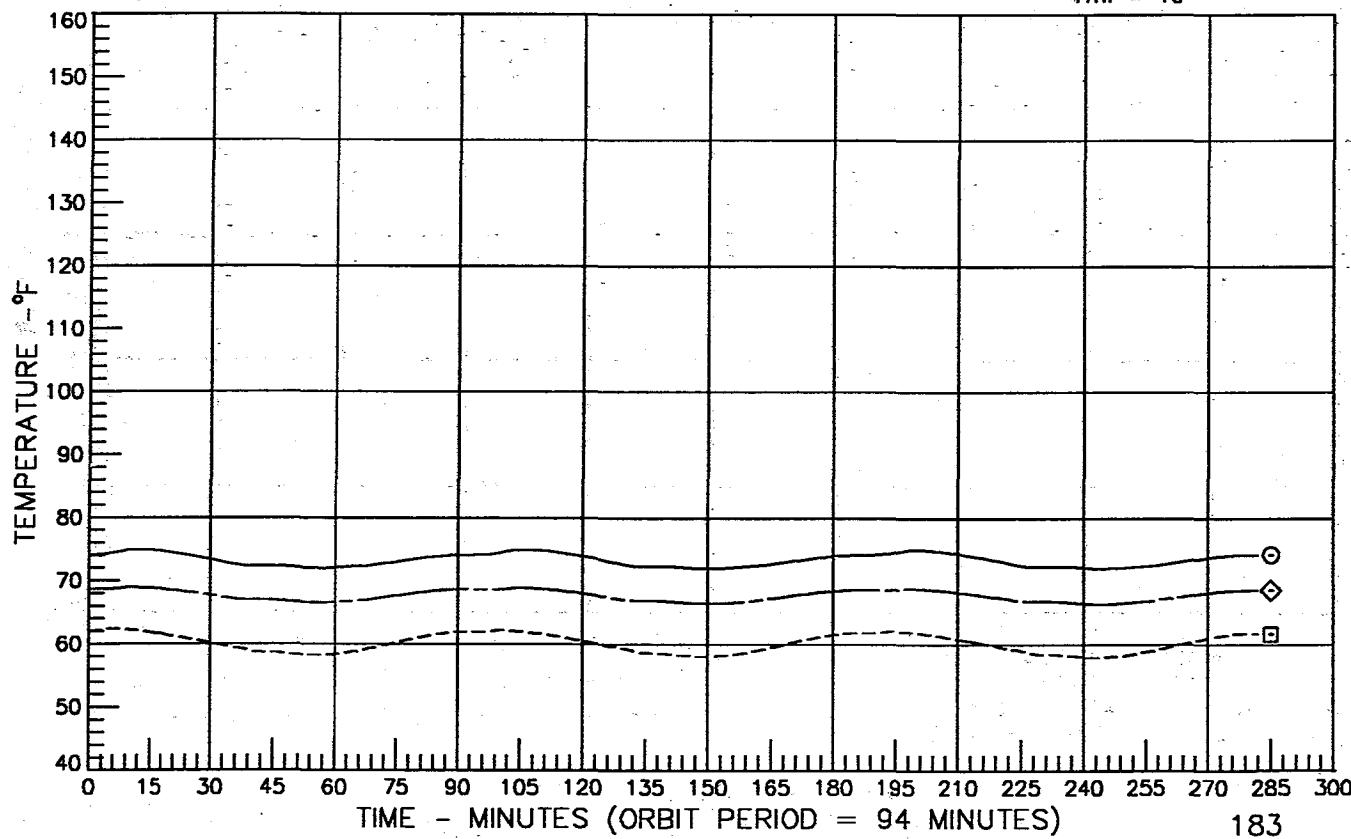
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: G12 - TRAY

○ ————— 80 +52° BETA ANGLE  
□ ----- 80 0° BETA ANGLE  
◊ ----- 80 -52° BETA ANGLE

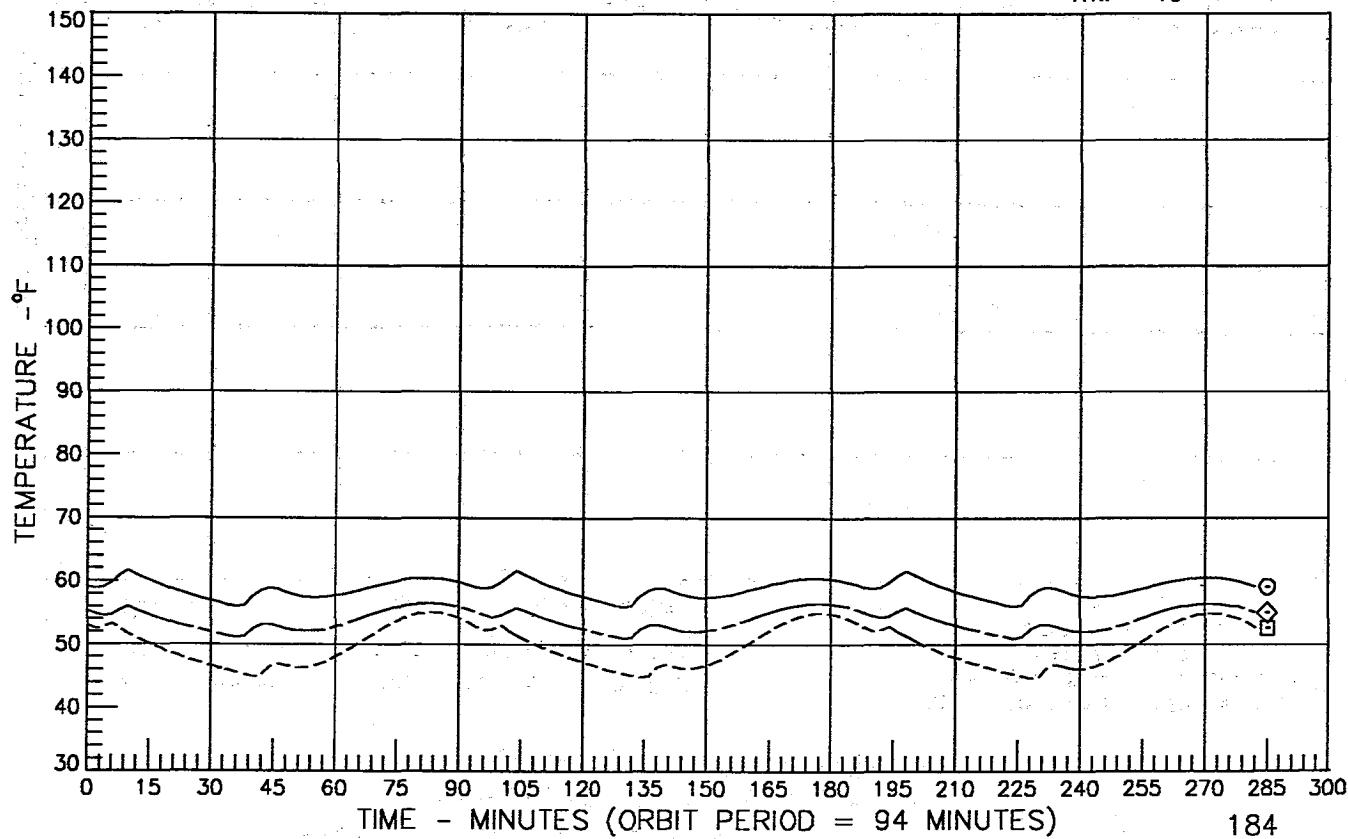
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: G12 - SURFACE

- ————— 260 +52° BETA ANGLE
- ----- 260 0° BETA ANGLE
- ◊ ————— 260 -52° BETA ANGLE

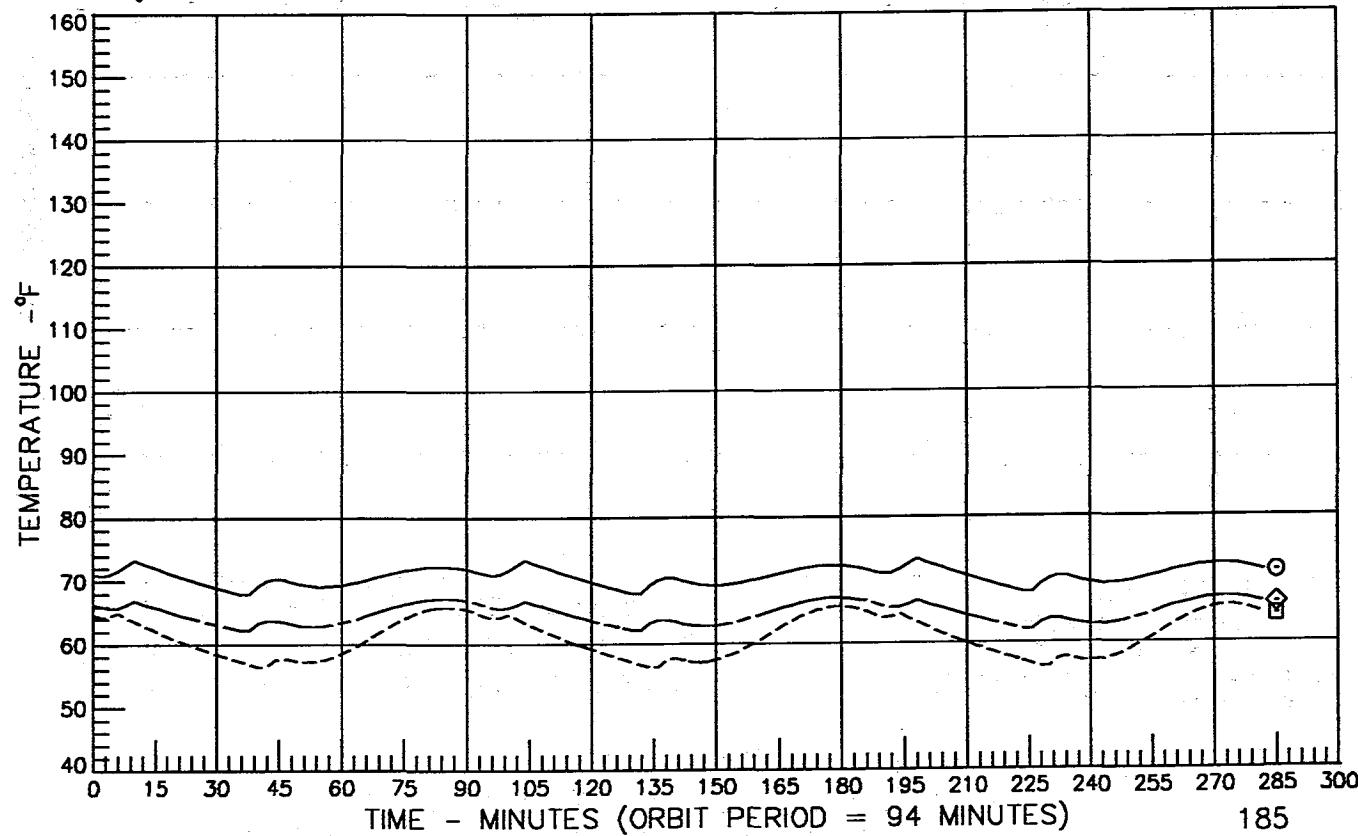
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: G12 - SURFACE

○——— 283 +52° BETA ANGLE  
□----- 283 0° BETA ANGLE  
◊----- 283 -52° BETA ANGLE

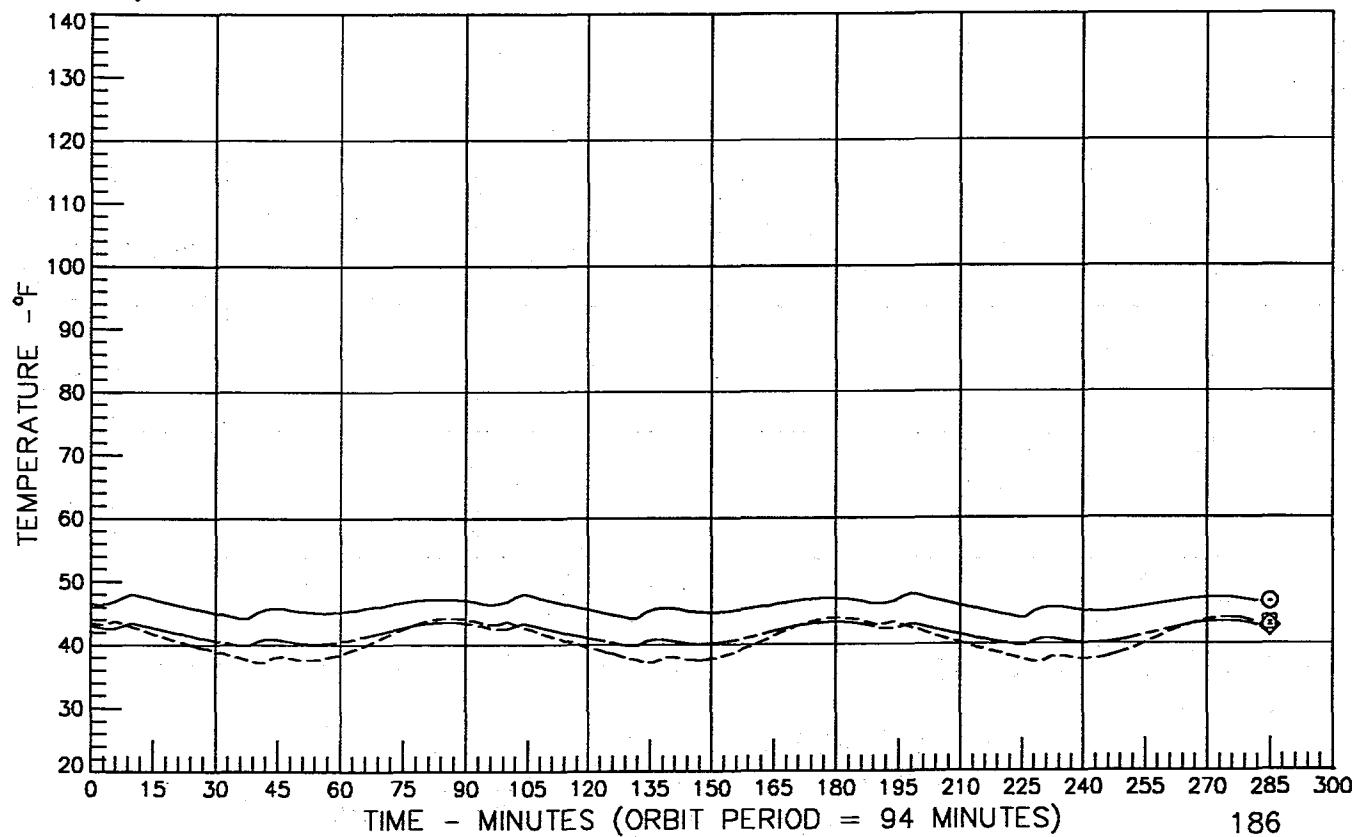
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LOCATION: G12 - SURFACE

- 284 +52° BETA ANGLE
- 284 0° BETA ANGLE
- ◊----- 284 -52° BETA ANGLE

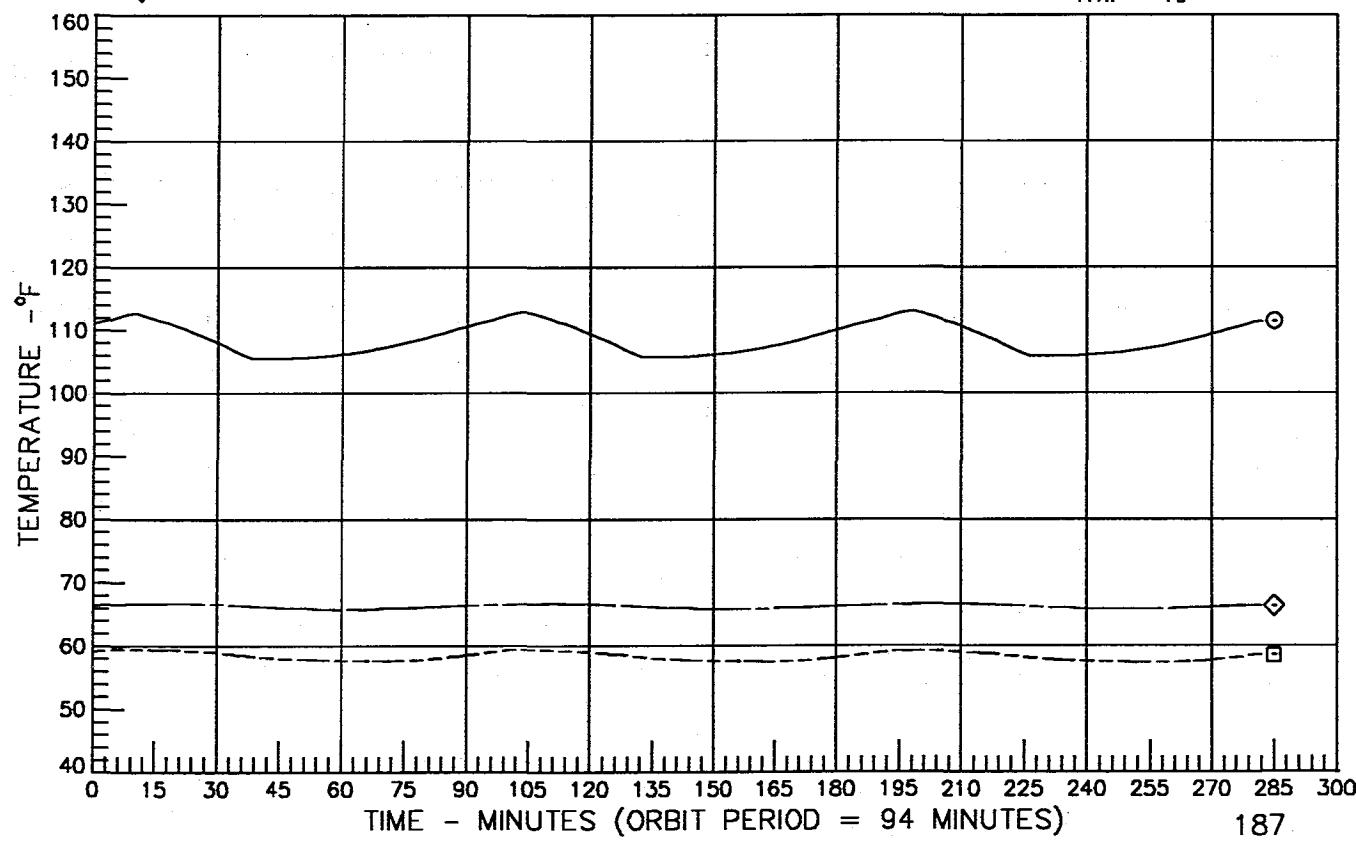
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH FACING LONGERON ROW 12-1

○——— 163 +52° BETA ANGLE  
□----- 163 0° BETA ANGLE  
◊----- 163 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = .77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH FACING LONGERON ROW 1-2

○ —————

164 +52° BETA ANGLE

□ - - - - -

164 0° BETA ANGLE

◊ - - - - -

164 -52° BETA ANGLE

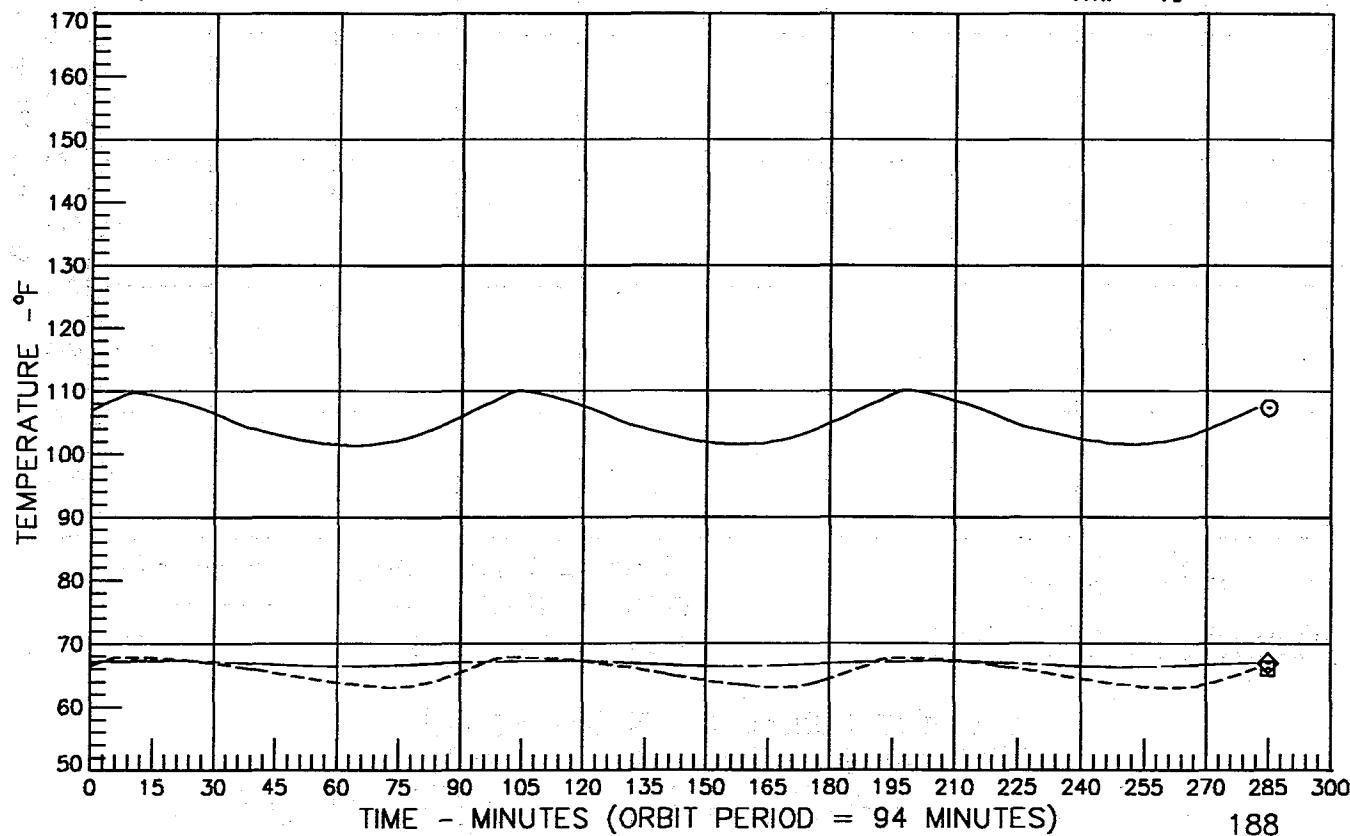
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

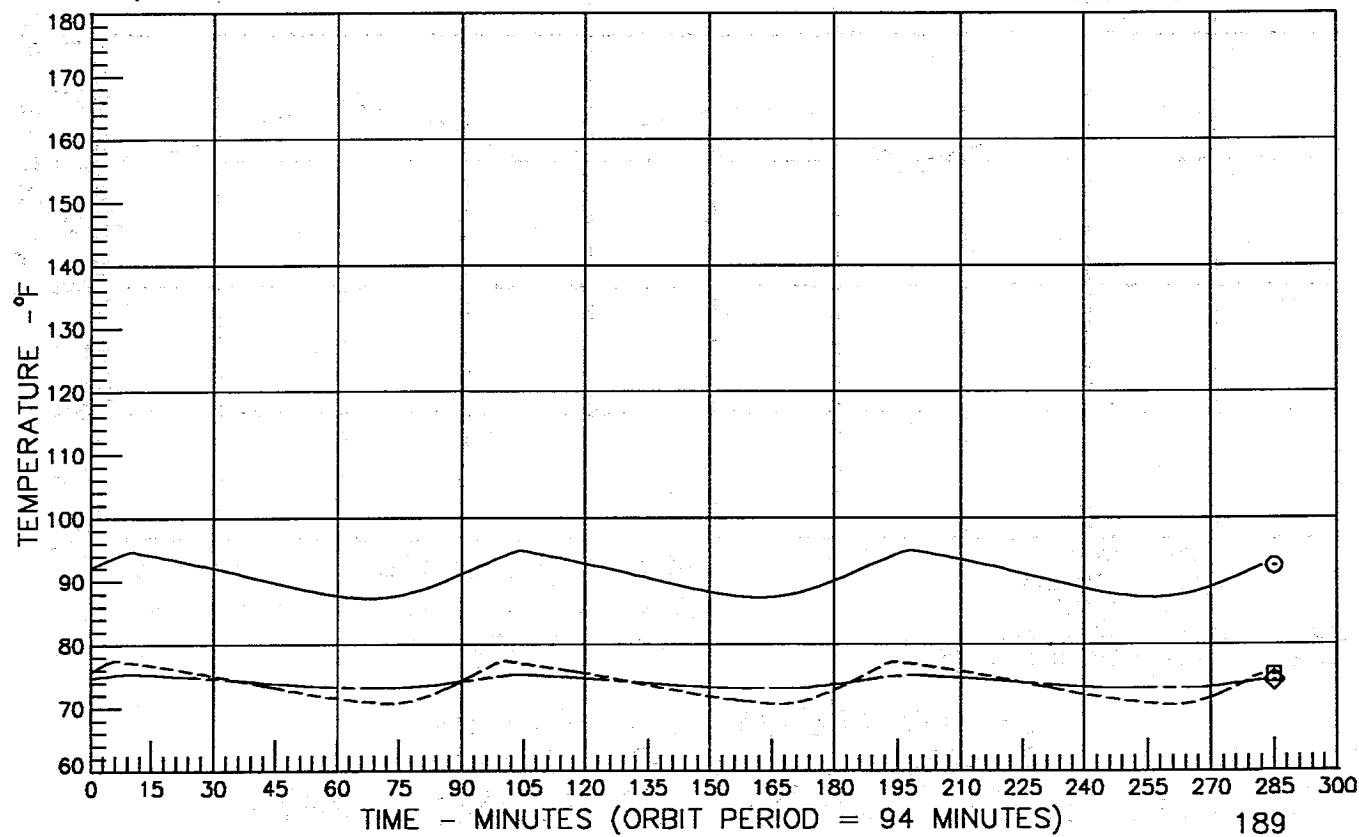
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH FACING LONGERON ROW 2-3

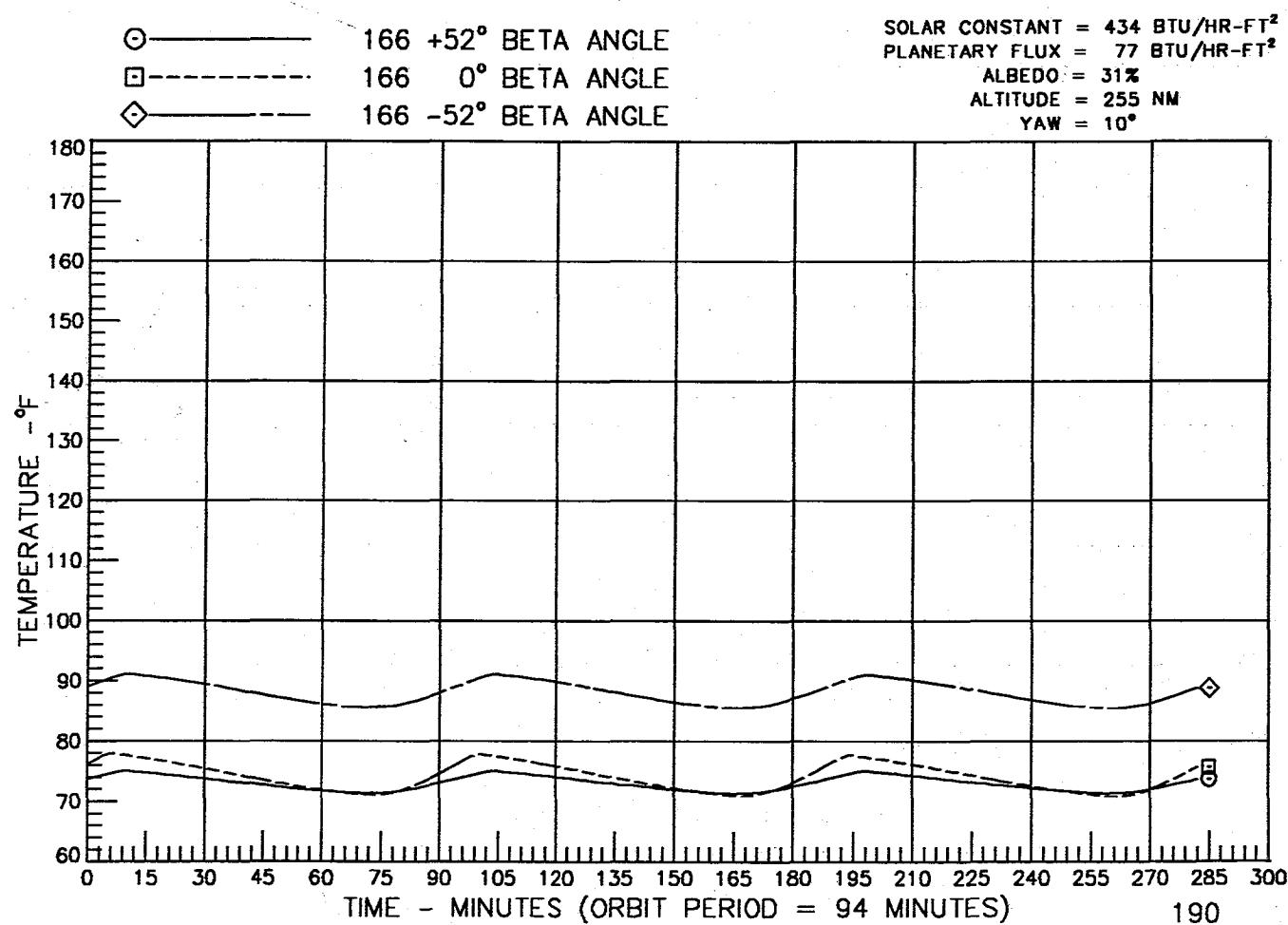
- ————— 165 +52° BETA ANGLE
- ----- 165 0° BETA ANGLE
- ◊ ----- 165 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH FACING LONGERON ROW 3-4

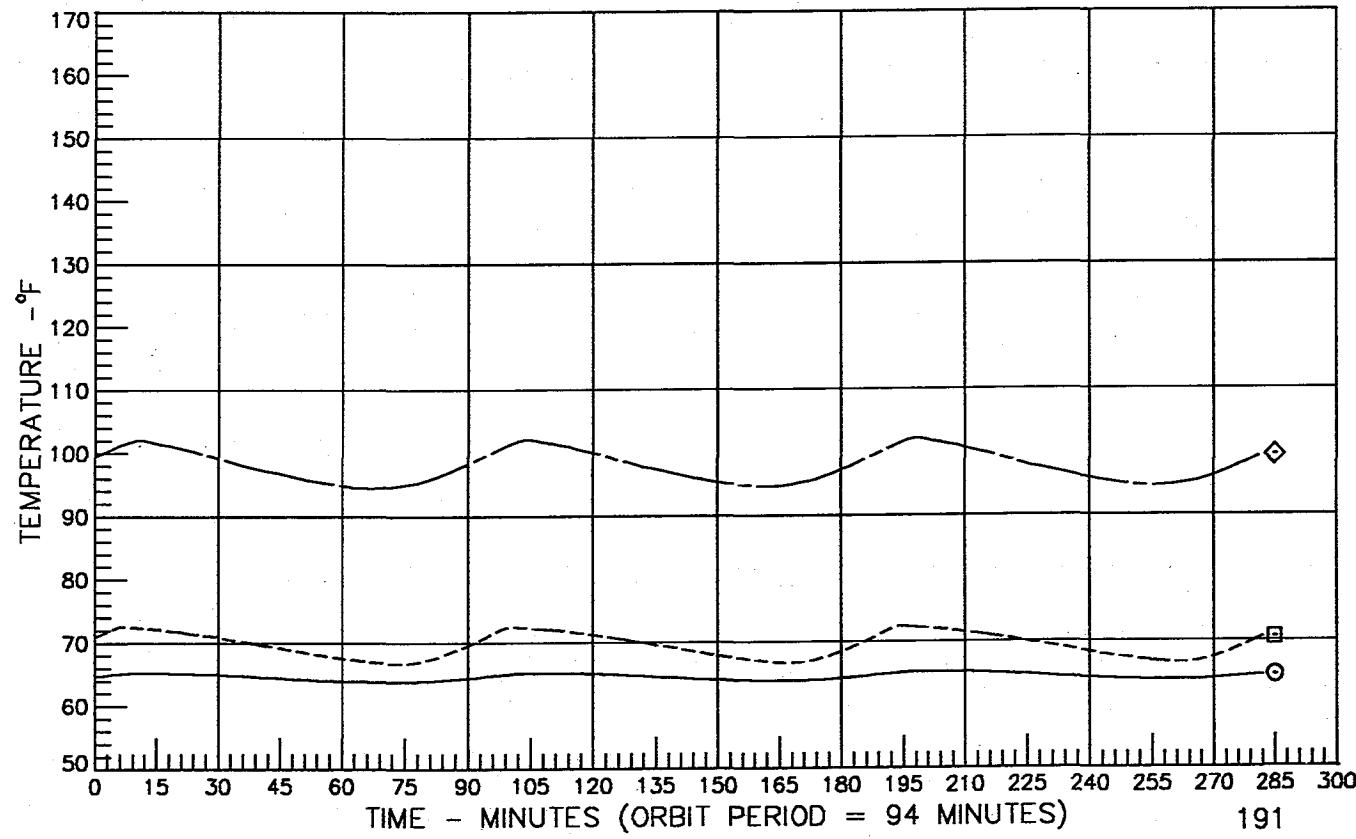
E - 190



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH FACING LONGERON ROW 4-5

○——— 167 +52° BETA ANGLE  
□----- 167 0° BETA ANGLE  
◊----- 167 -52° BETA ANGLE

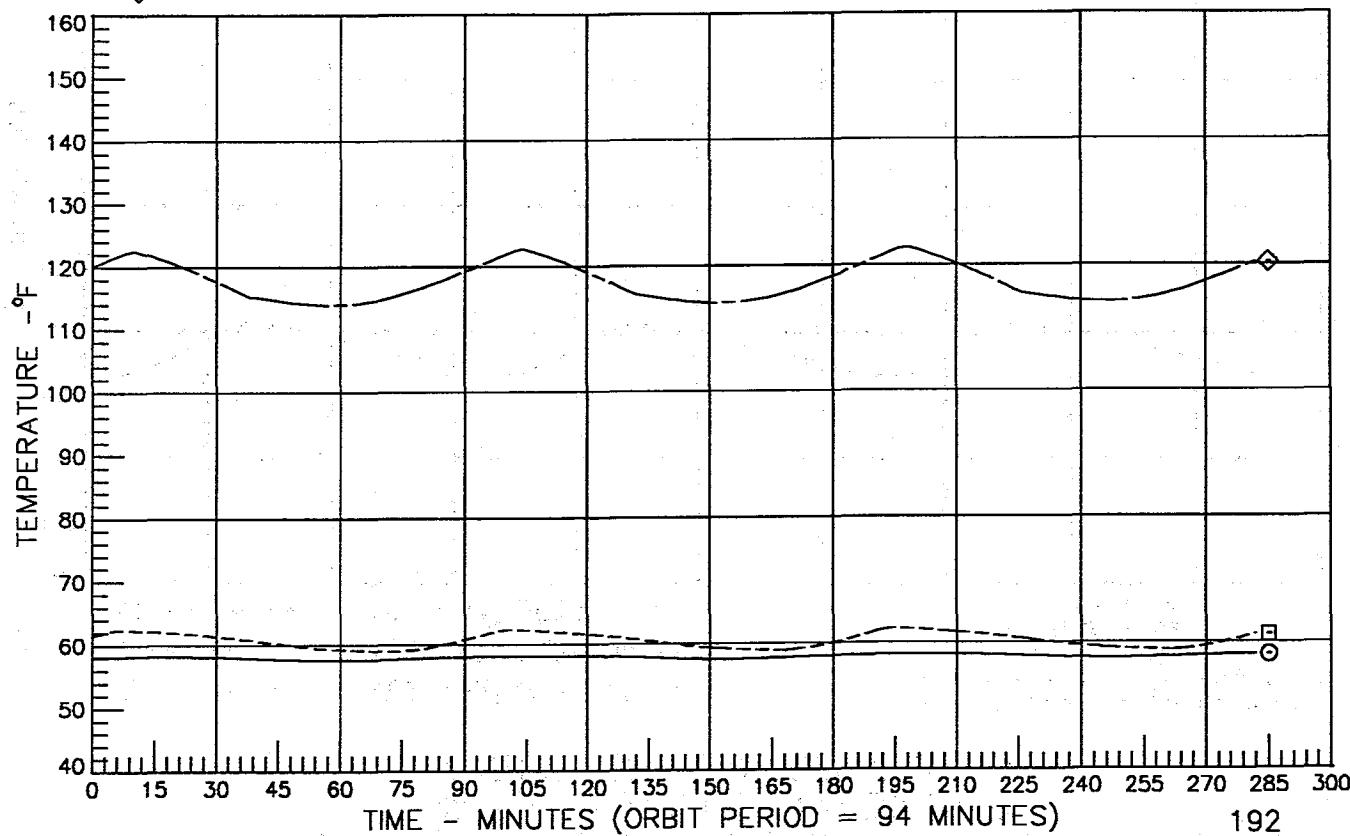
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH FACING LONGERON ROW 5-6

○——— 168 +52° BETA ANGLE  
□----- 168 0° BETA ANGLE  
◊----- 168 -52° BETA ANGLE

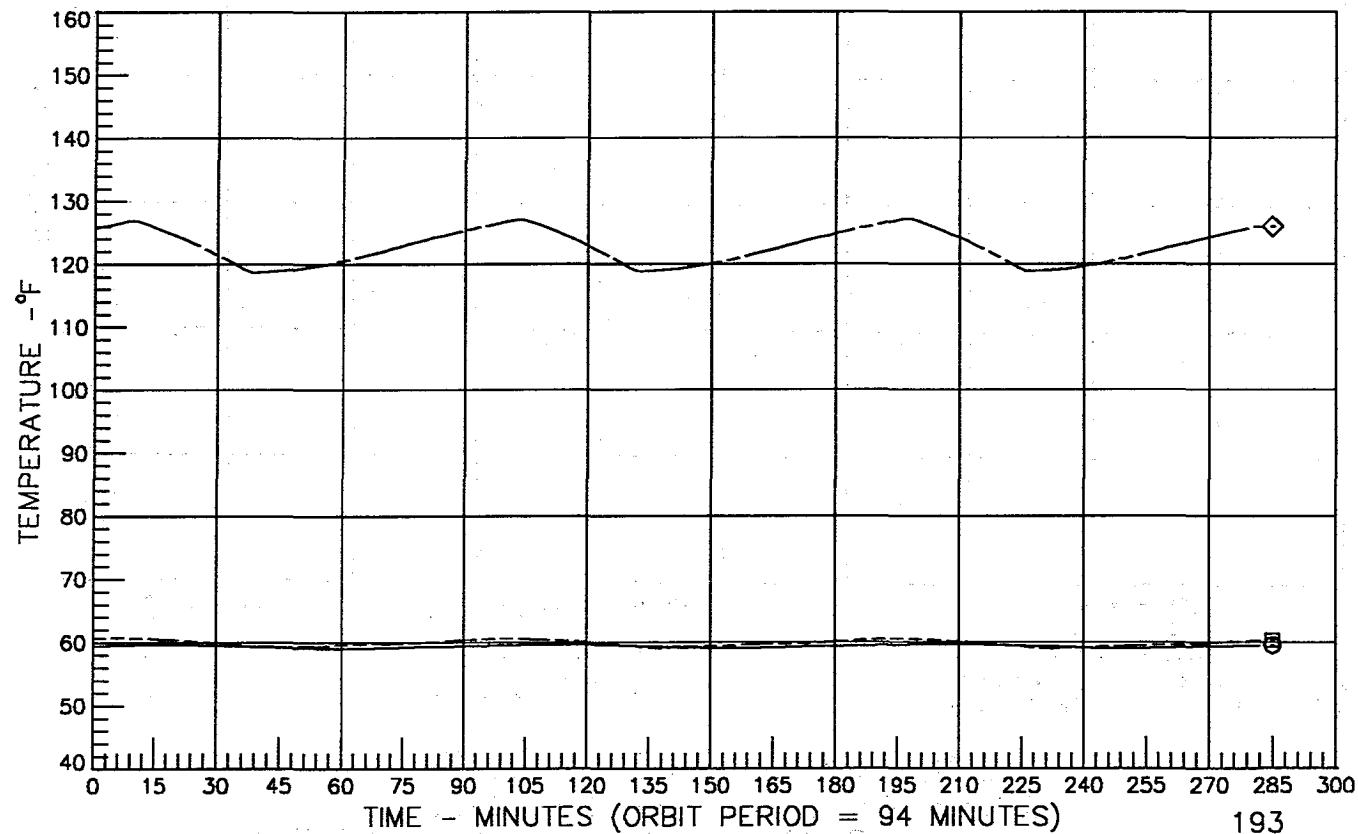
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH FACING LONGERON ROW 6-7

○ ————— 169 +52° BETA ANGLE  
□ ----- 169 0° BETA ANGLE  
◊ ----- 169 -52° BETA ANGLE

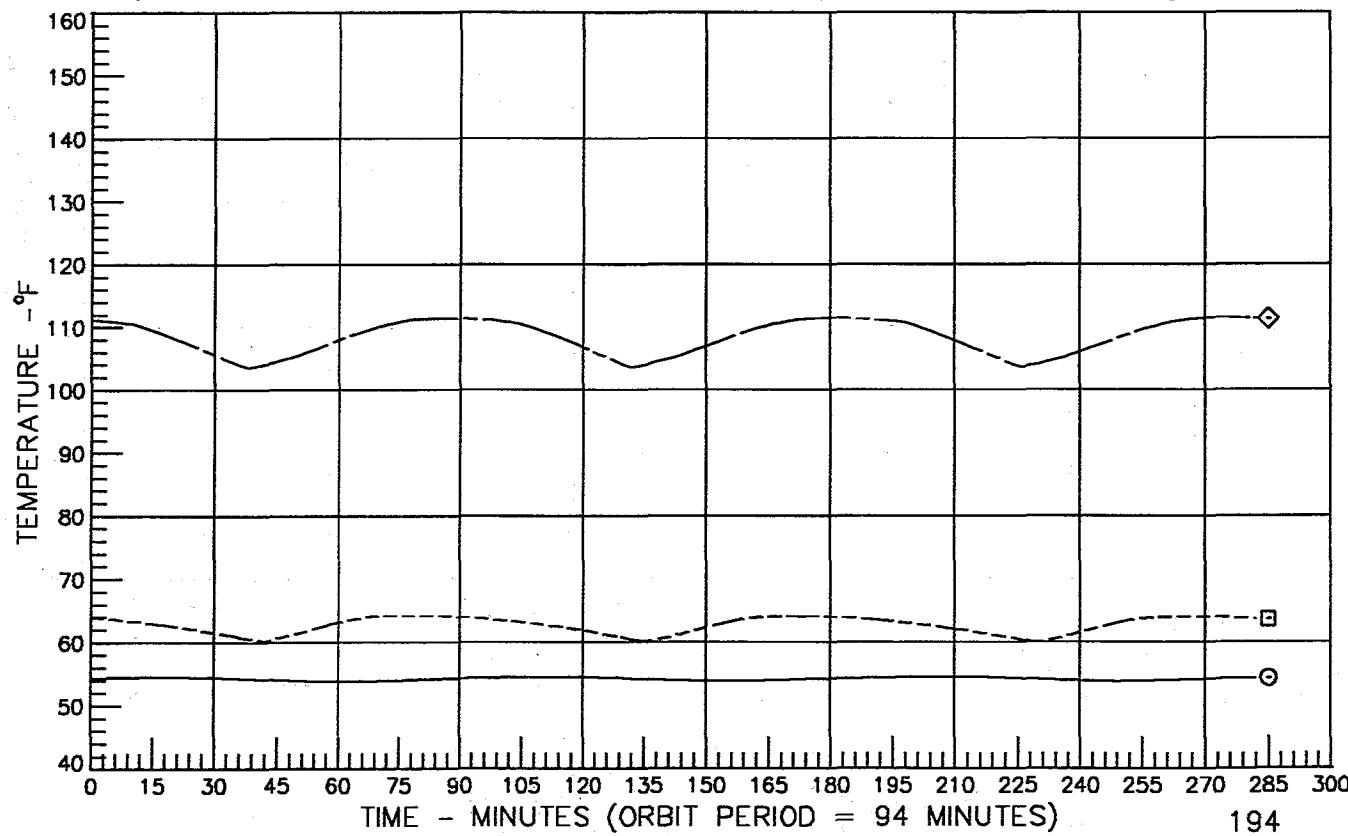
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH FACING LONGERON ROW 7-8

○——— 170 +52° BETA ANGLE  
□----- 170 0° BETA ANGLE  
◊----- 170 -52° BETA ANGLE

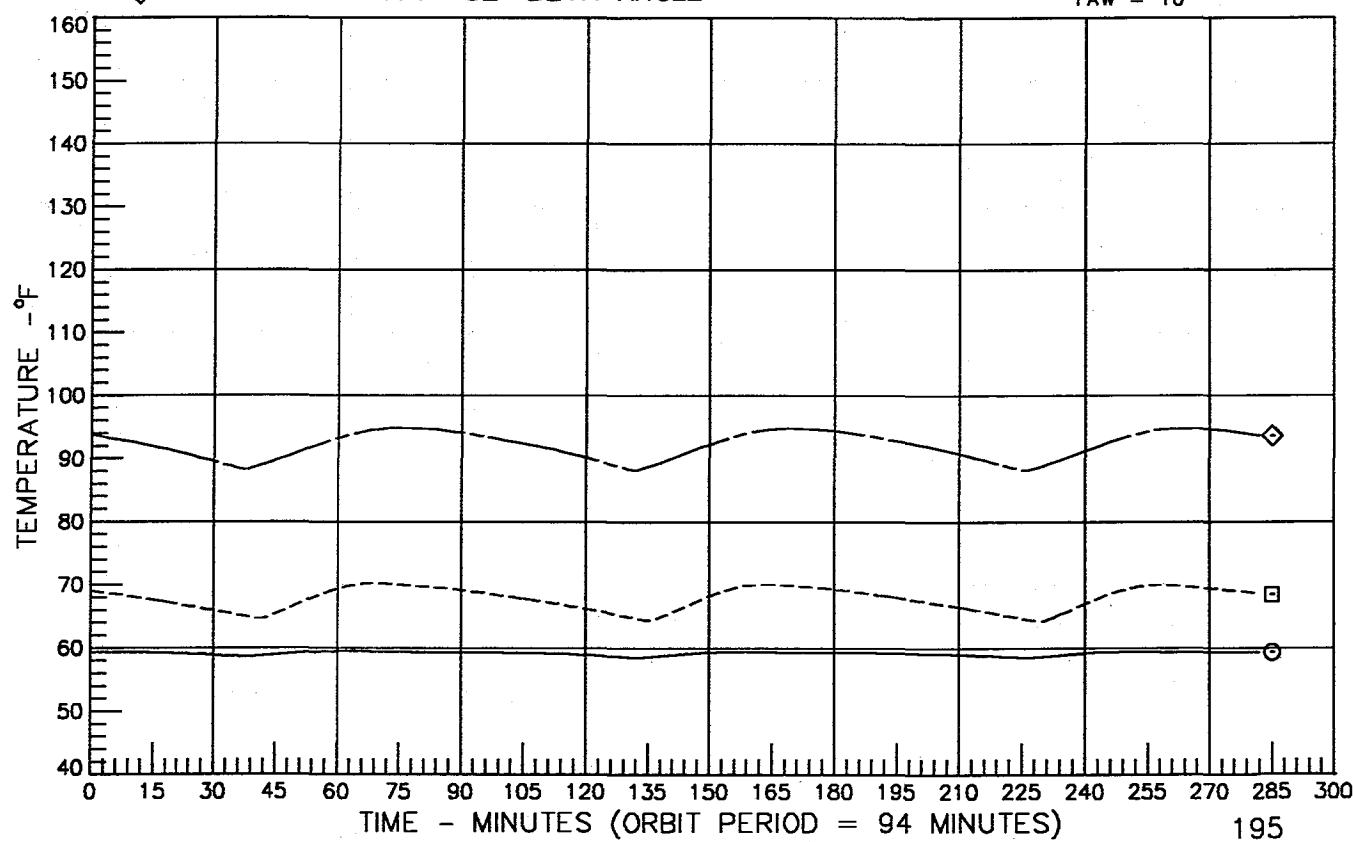
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH FACING LONGERON ROW 8-9

○ ————— 171 +52° BETA ANGLE  
□ ----- 171 0° BETA ANGLE  
◊ ----- 171 -52° BETA ANGLE

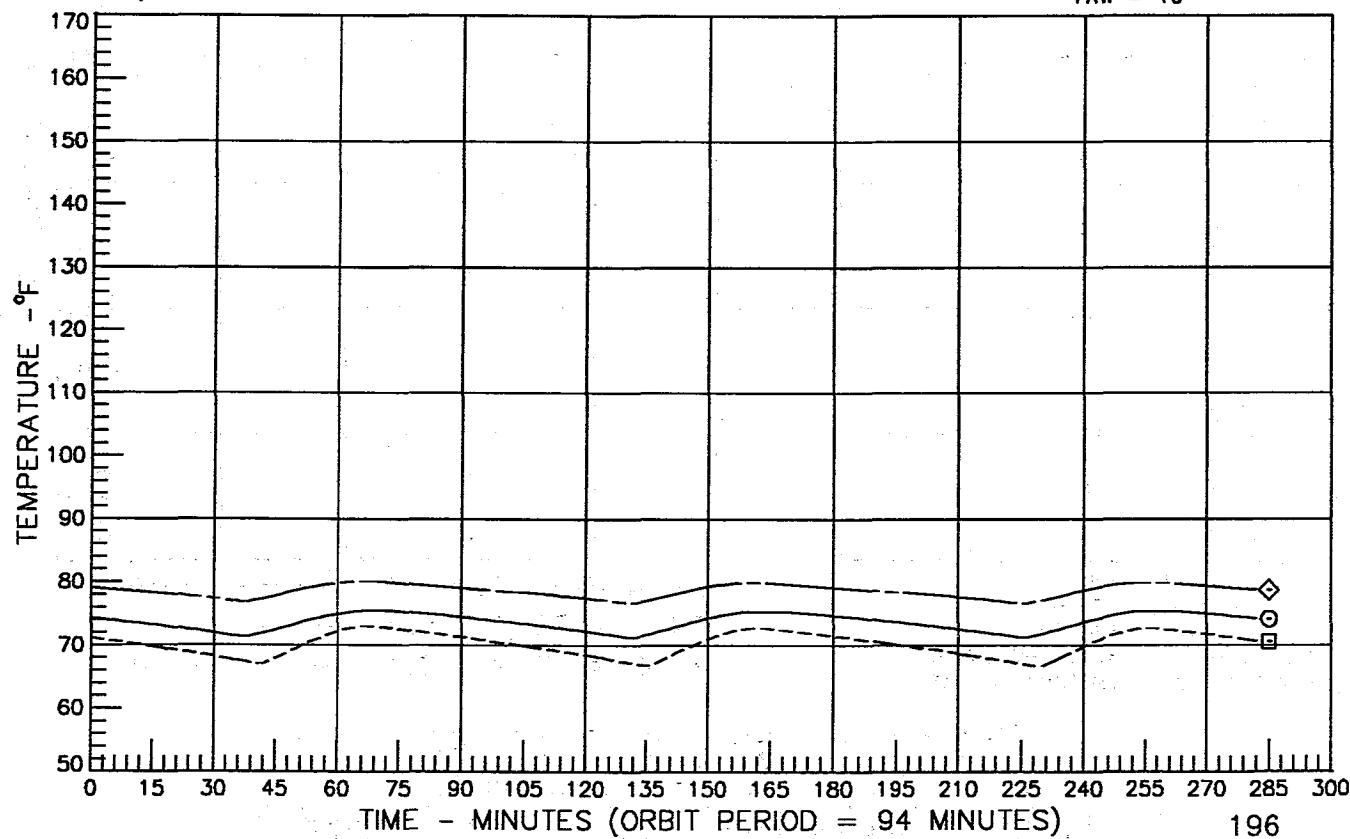
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH FACING LONGERON ROW 9-10

○——— 172 +52° BETA ANGLE  
□----- 172 0° BETA ANGLE  
◊----- 172 -52° BETA ANGLE

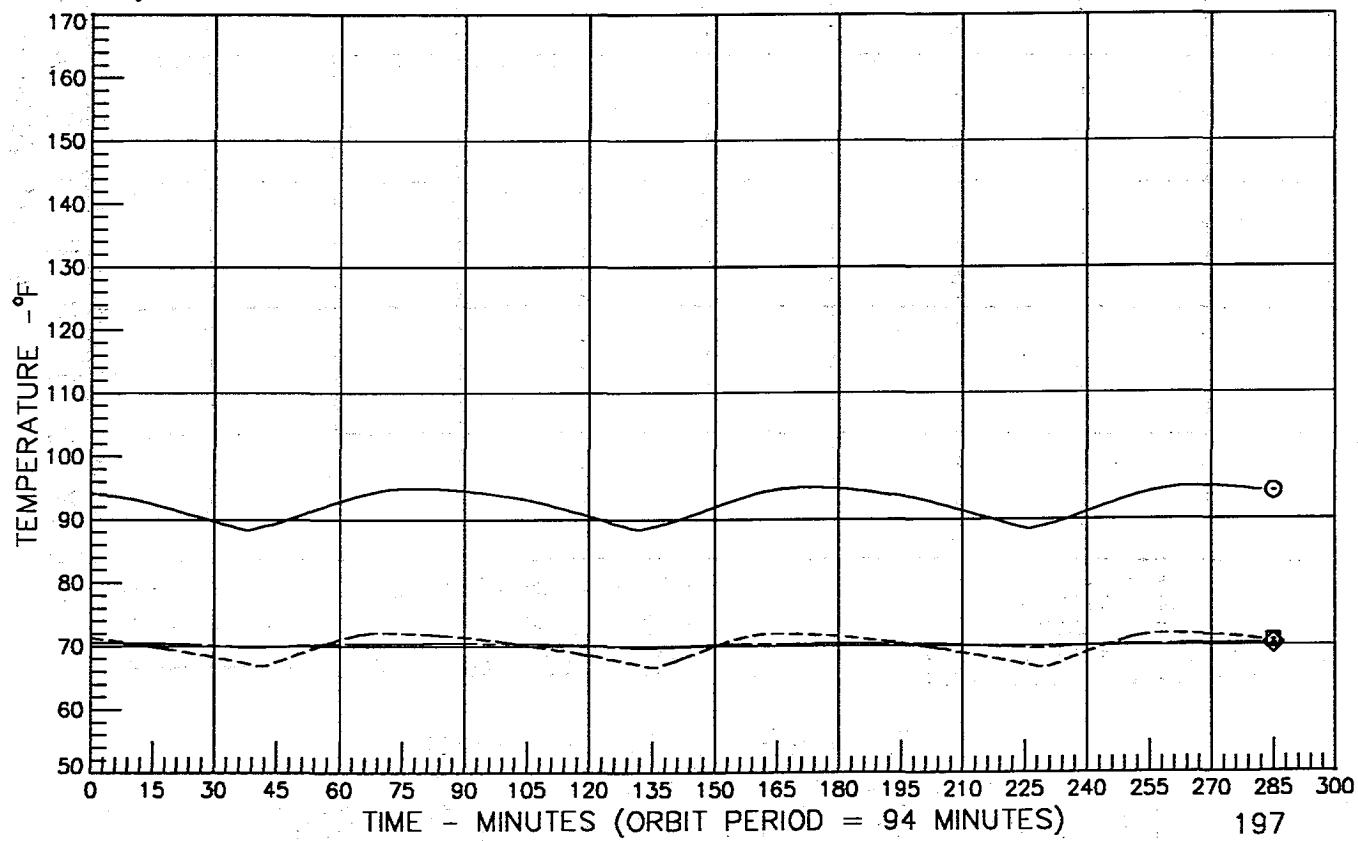
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH FACING LONGERON ROW 10-11

- ————— 173 +52° BETA ANGLE
- ----- 173 0° BETA ANGLE
- ◊ ————— 173 -52° BETA ANGLE

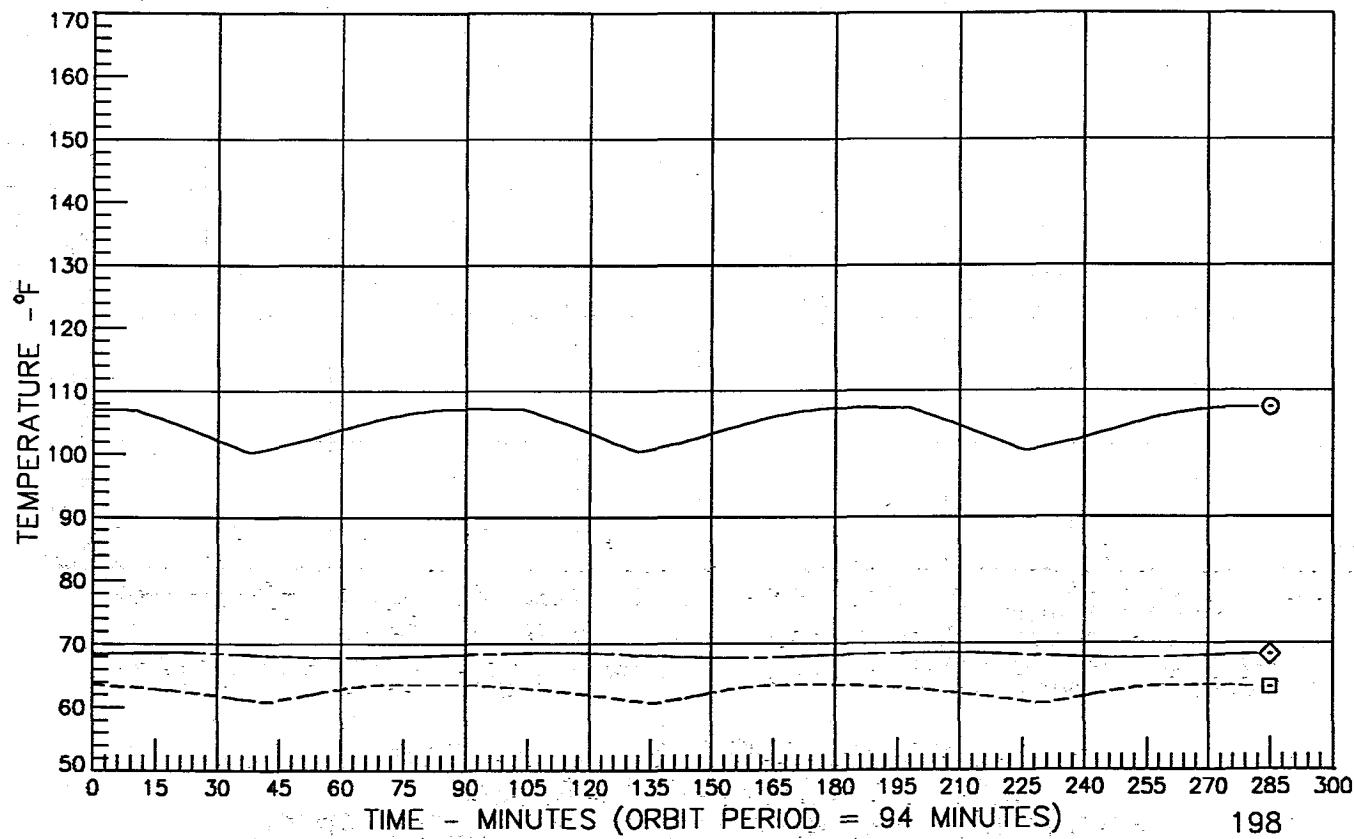
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH FACING LONGERON ROW 11-12

- ————— 174 +52° BETA ANGLE
- ----- 174 0° BETA ANGLE
- ◊ ----- 174 -52° BETA ANGLE

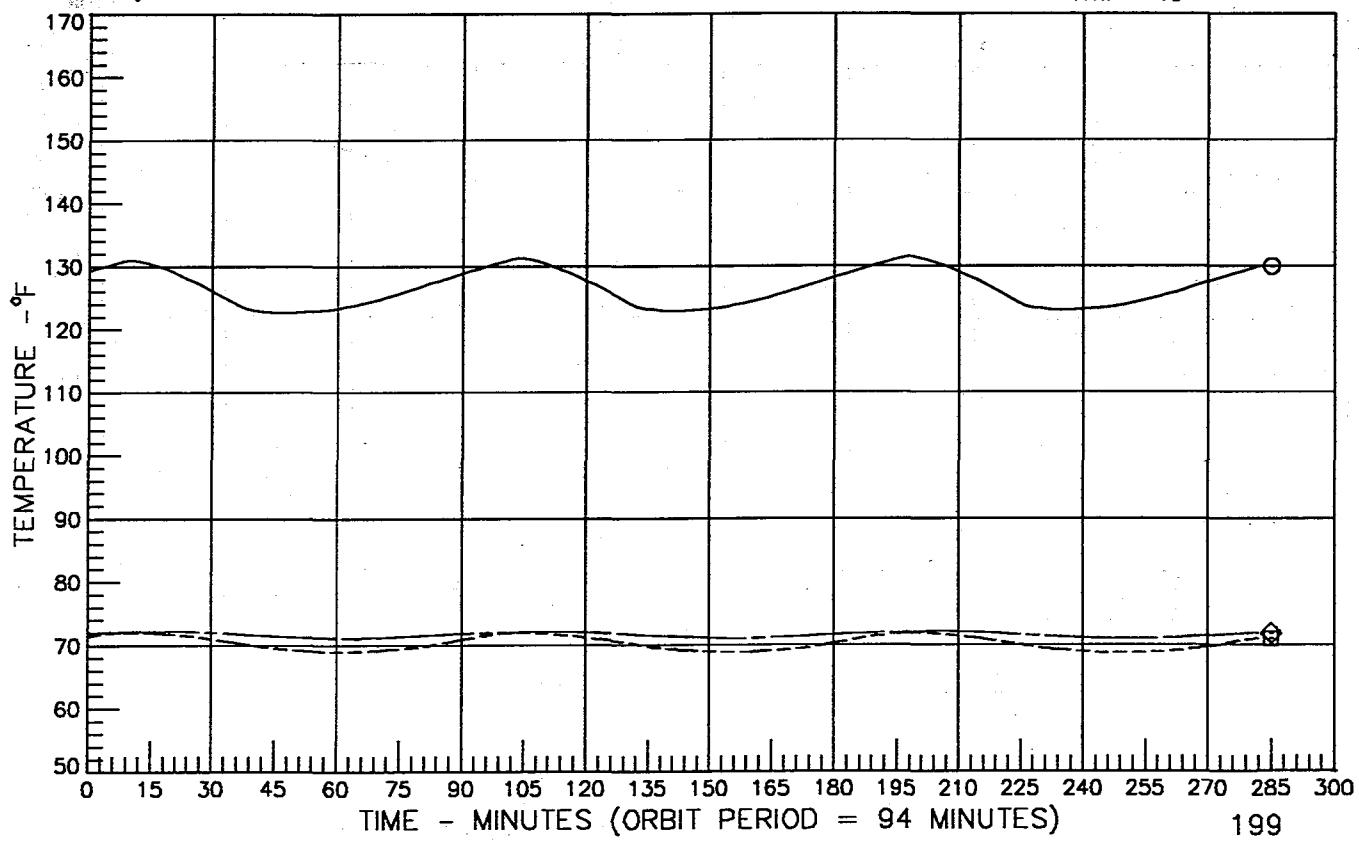
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH FACING END LONGERON ROW 12-1

○— 175 +52° BETA ANGLE  
□— 175 0° BETA ANGLE  
◇— 175 -52° BETA ANGLE

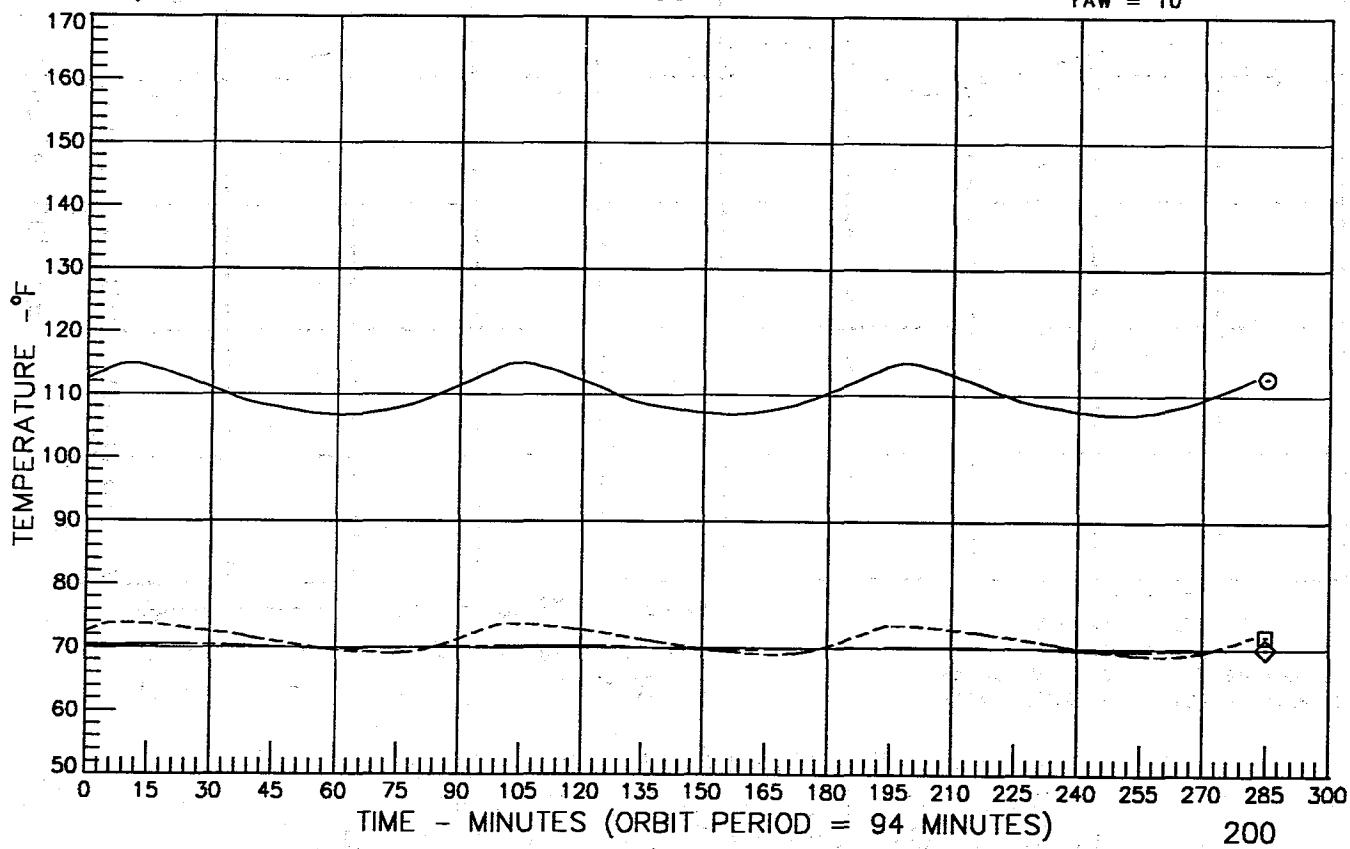
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH FACING END LONGERON ROW 1-2

○——— 176 +52° BETA ANGLE  
□----- 176 0° BETA ANGLE  
◊----- 176 -52° BETA ANGLE

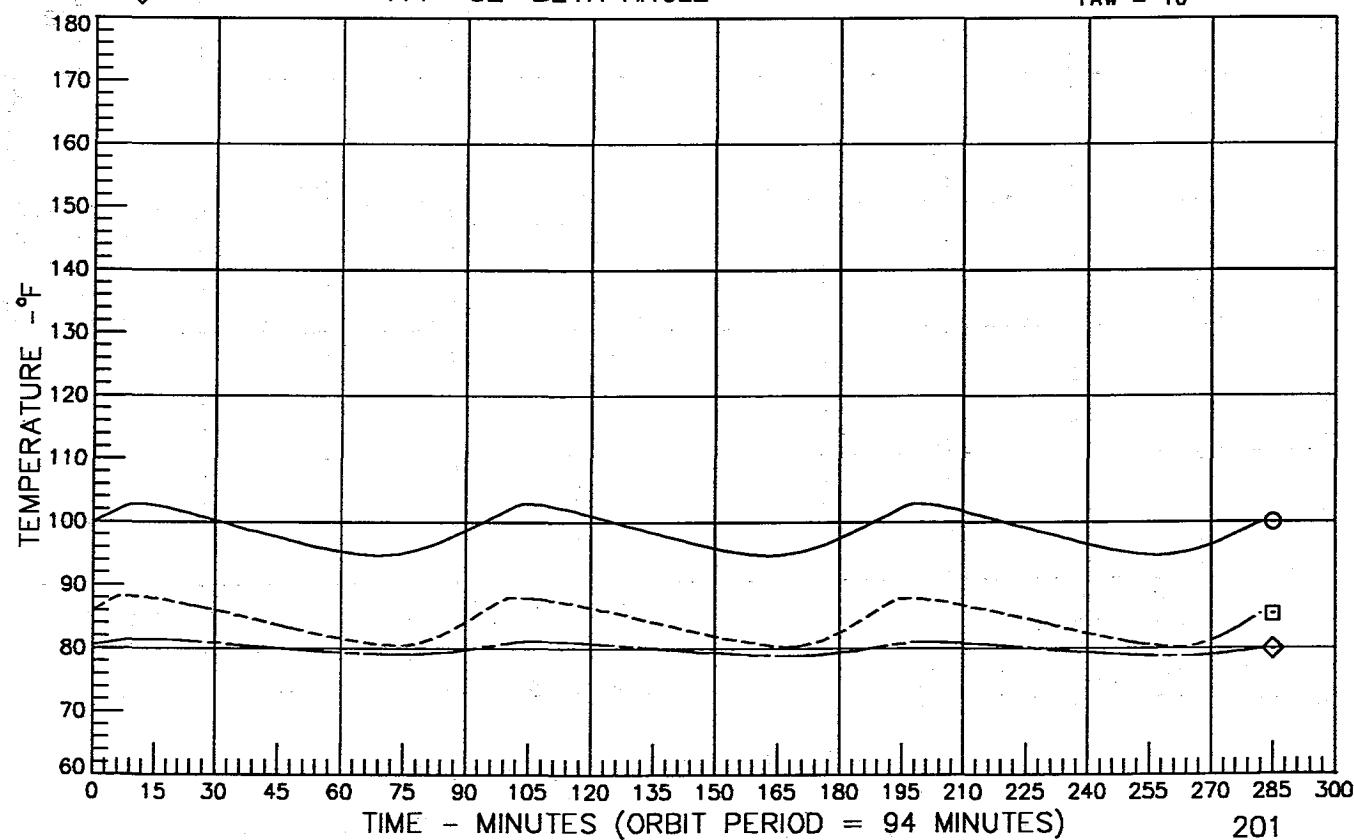
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



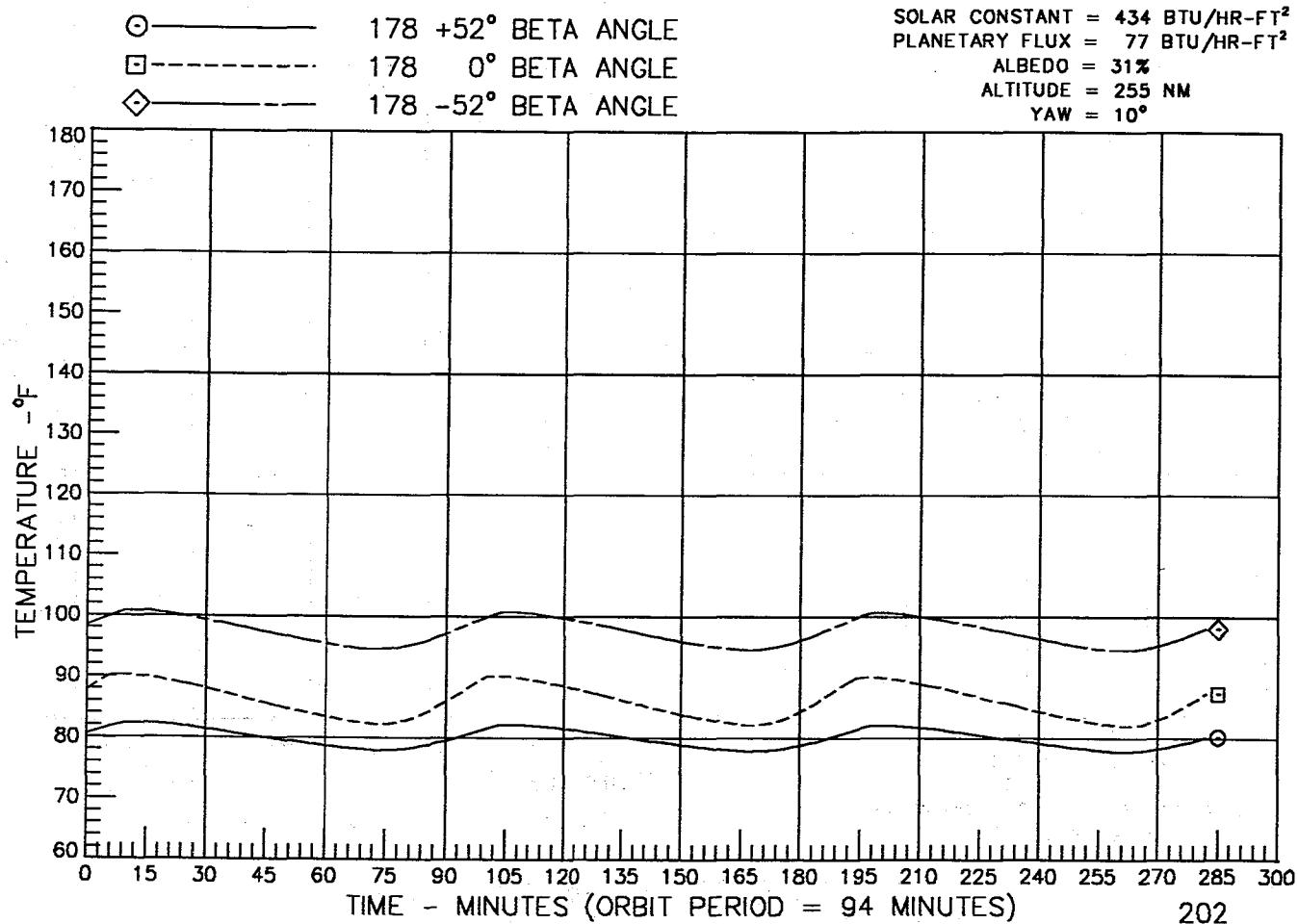
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH FACING END LONGERON ROW 2-3

- — 177 +52° BETA ANGLE
- — 177 0° BETA ANGLE
- ◊ — 177 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



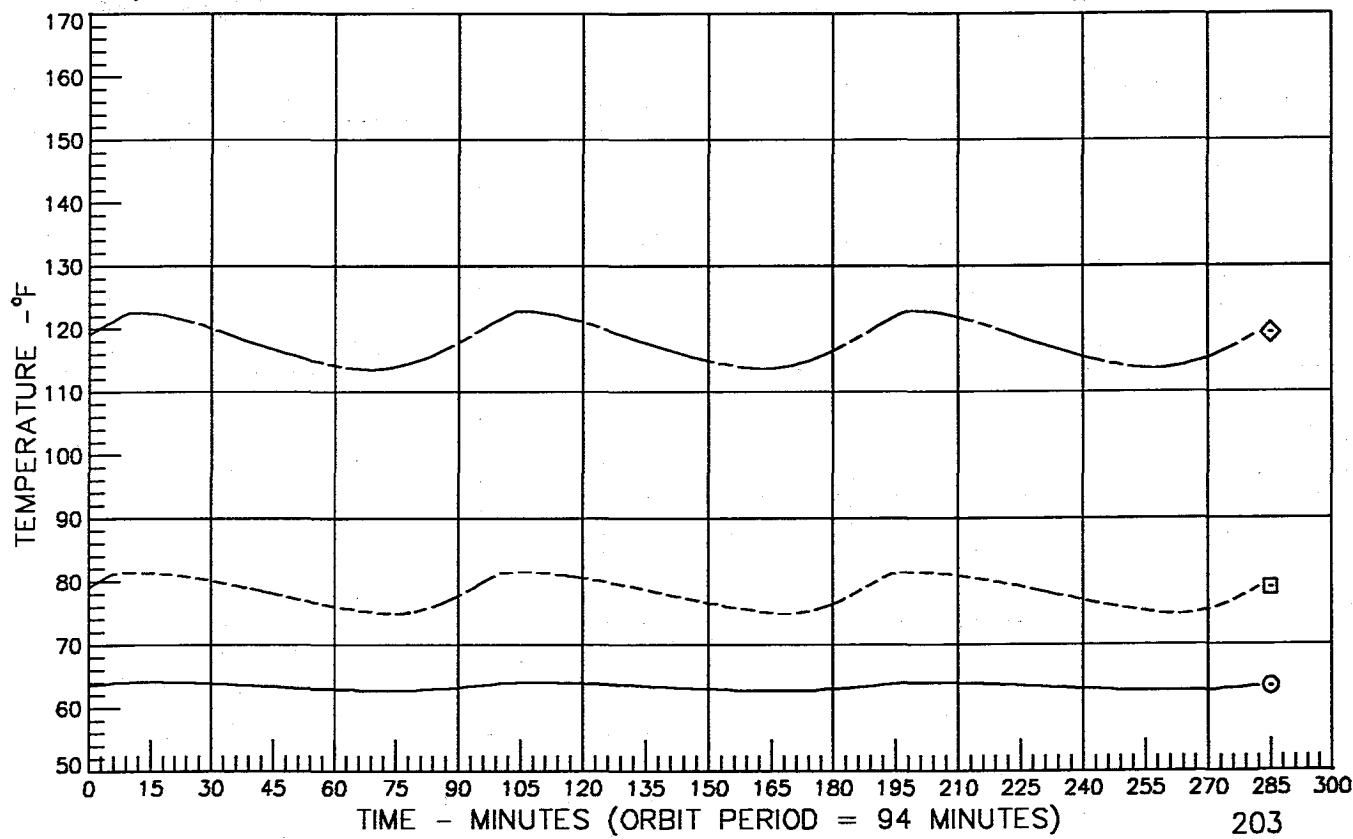
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH FACING END LONGERON ROW 3-4



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH FACING END LONGERON ROW 4-5

○ ————— 179 +52° BETA ANGLE  
□ ————— 179 0° BETA ANGLE  
◊ ————— 179 -52° BETA ANGLE

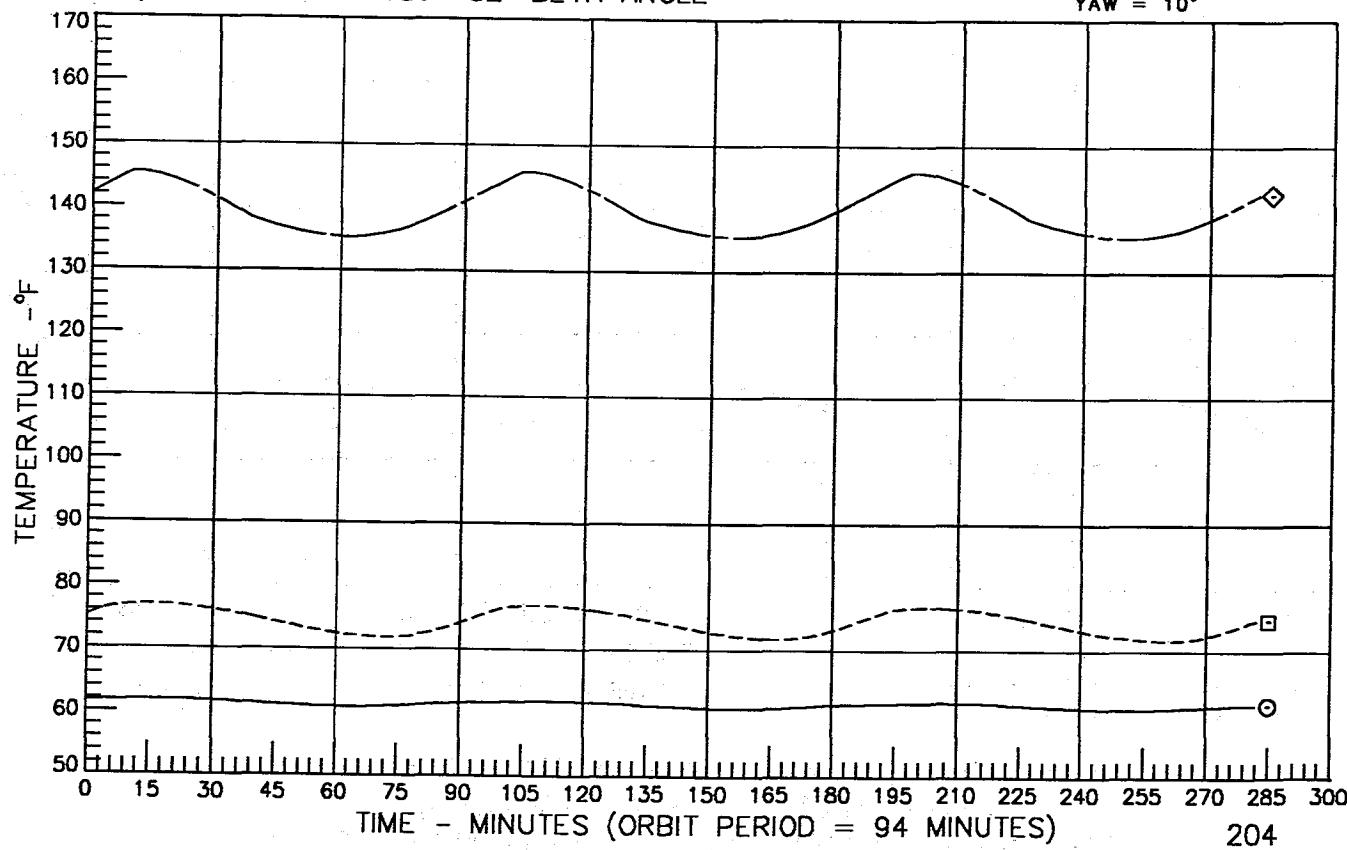
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH FACING END LONGERON ROW 5-6

○ ————— 180 +52° BETA ANGLE  
□ ----- 180 0° BETA ANGLE  
◊ ————— 180 -52° BETA ANGLE

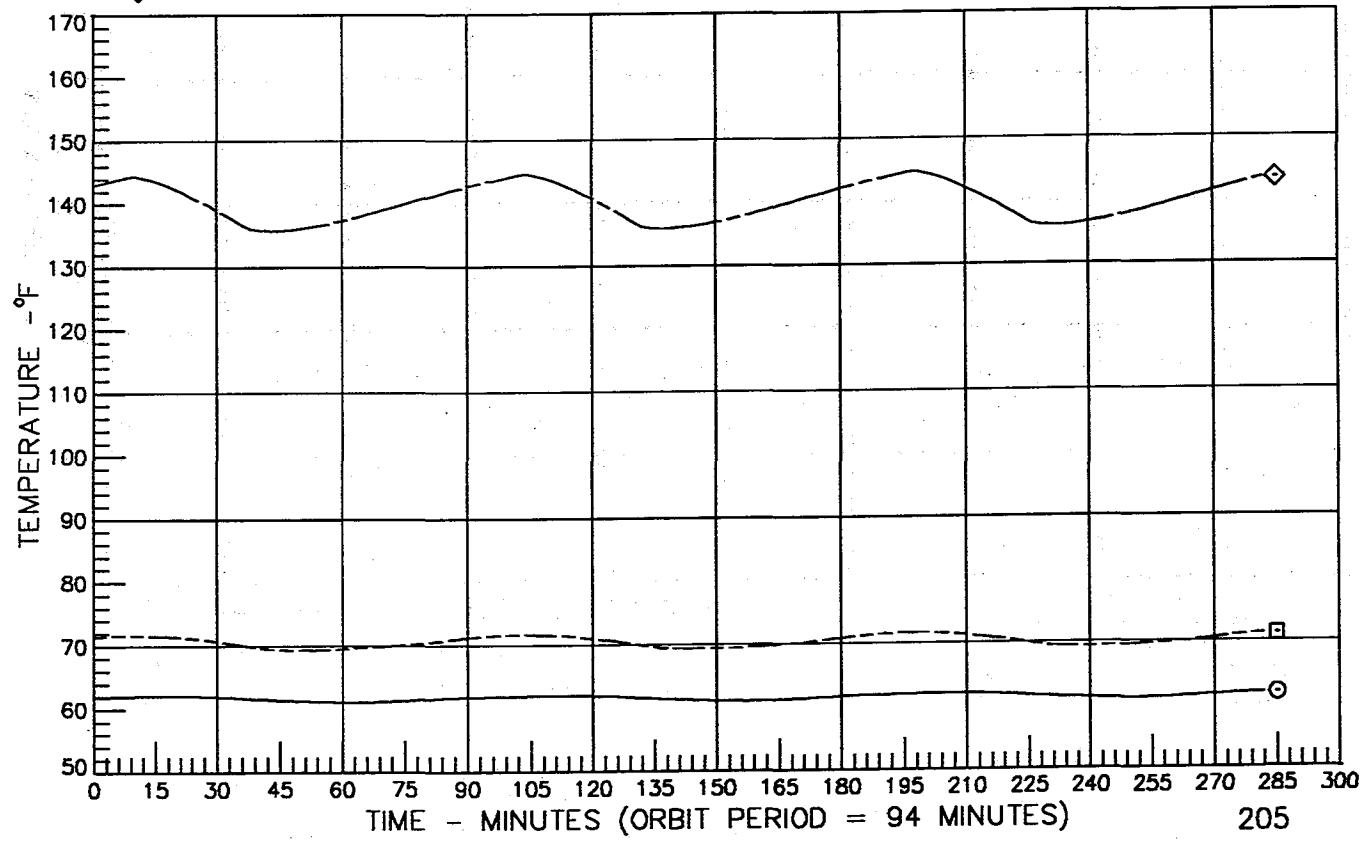
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



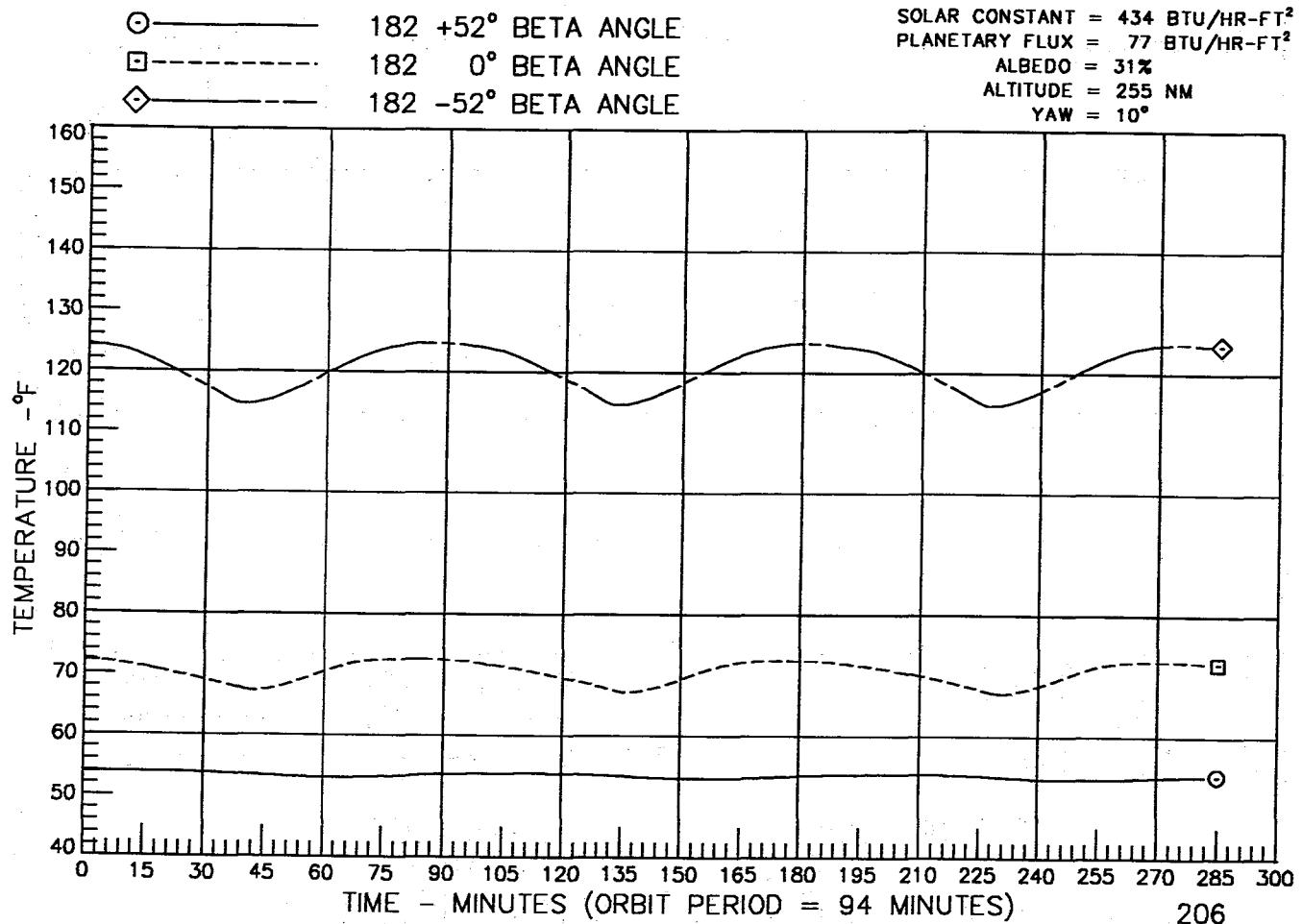
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH FACING END LONGERON ROW 6-7

- ————— 181 +52° BETA ANGLE
- ----- 181 0° BETA ANGLE
- ◊ ----- 181 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



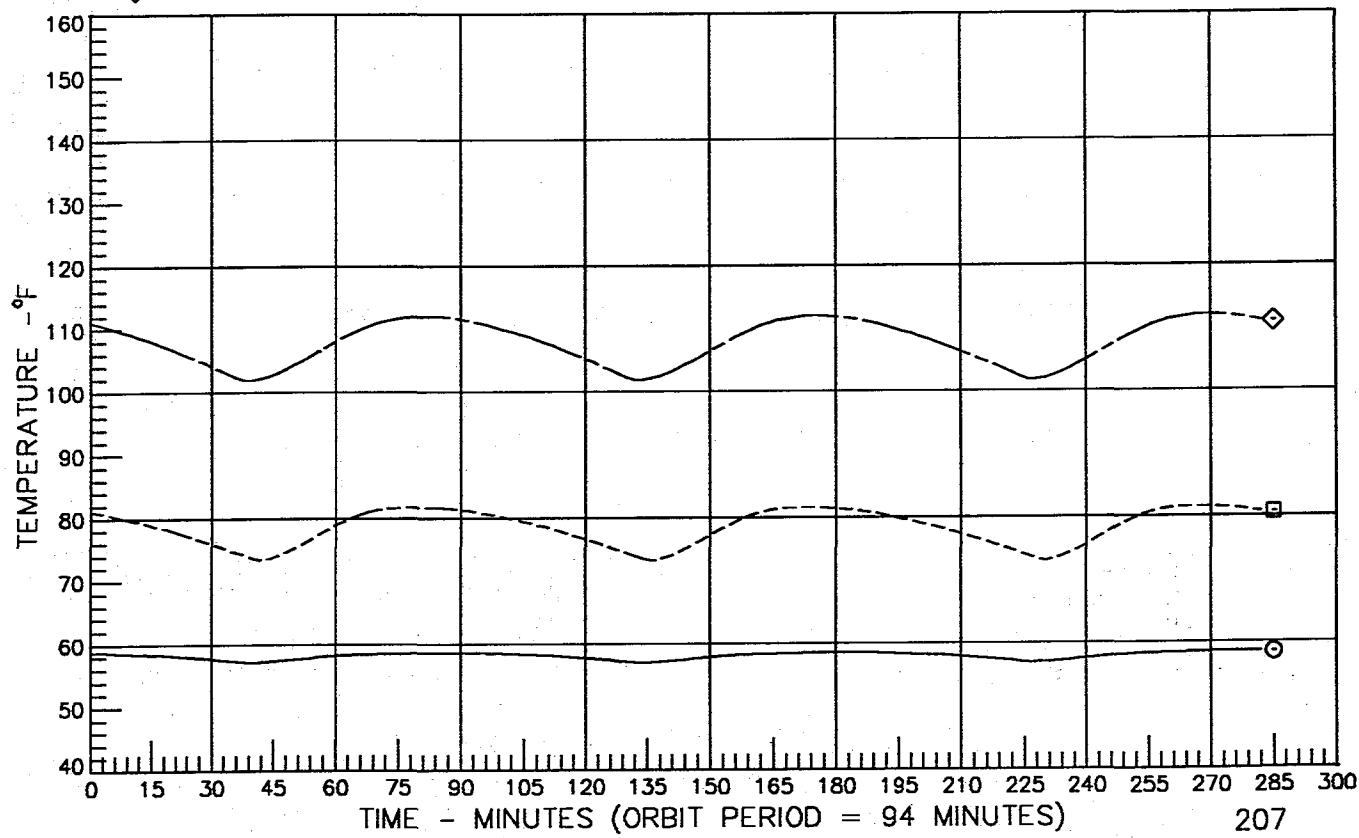
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH FACING END LONGERON ROW 7-8



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH FACING END LONGERON ROW 8-9

○ ————— 183 +52° BETA ANGLE  
□ - - - - - 183 0° BETA ANGLE  
◊ ————— 183 -52° BETA ANGLE

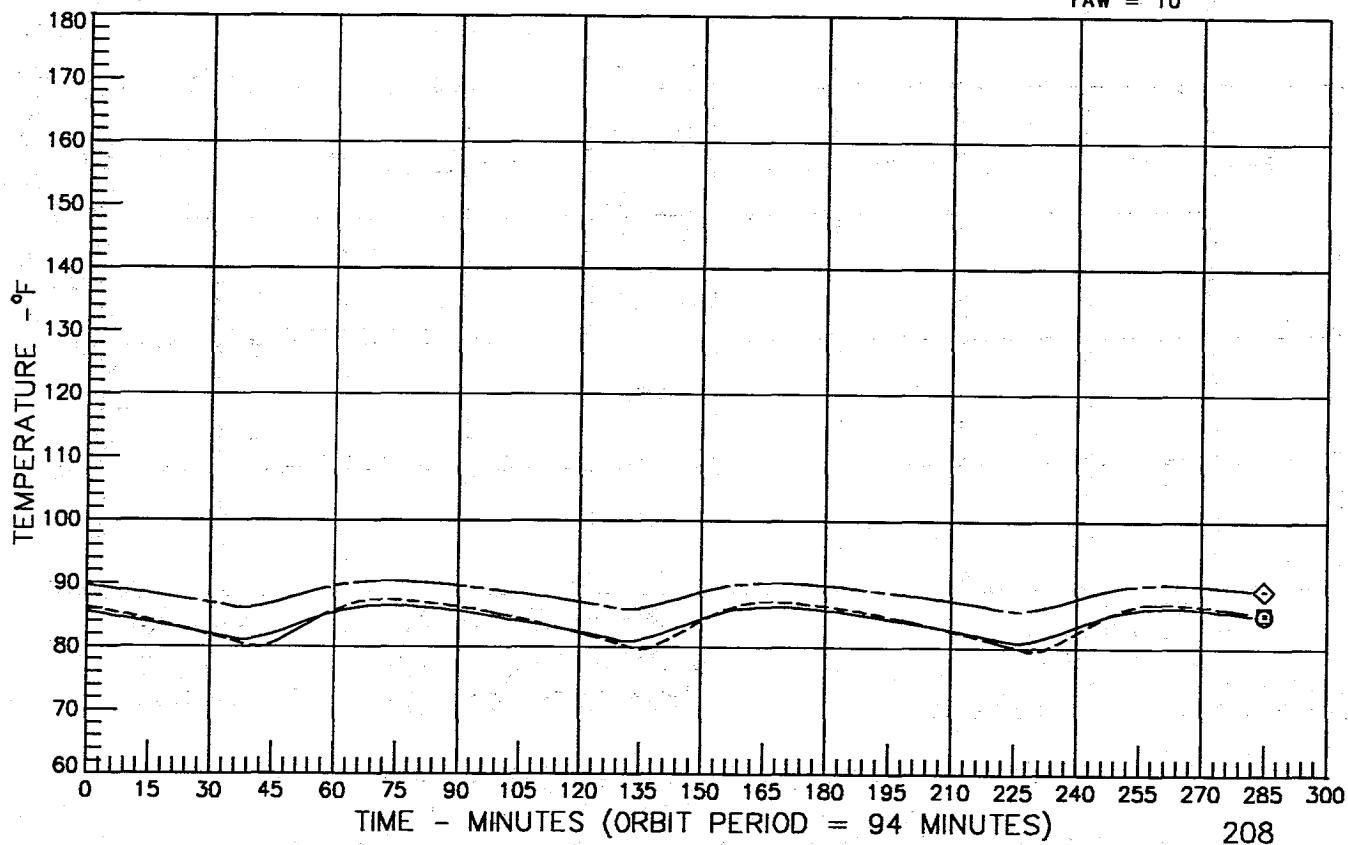
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
 TRANSIENT ORBITAL TEMPERATURES  
 EARTH FACING END LONGERON ROW 9-10

○ ————— 184 +52° BETA ANGLE  
 □ ----- 184 0° BETA ANGLE  
 ◇ ————— 184 -52° BETA ANGLE

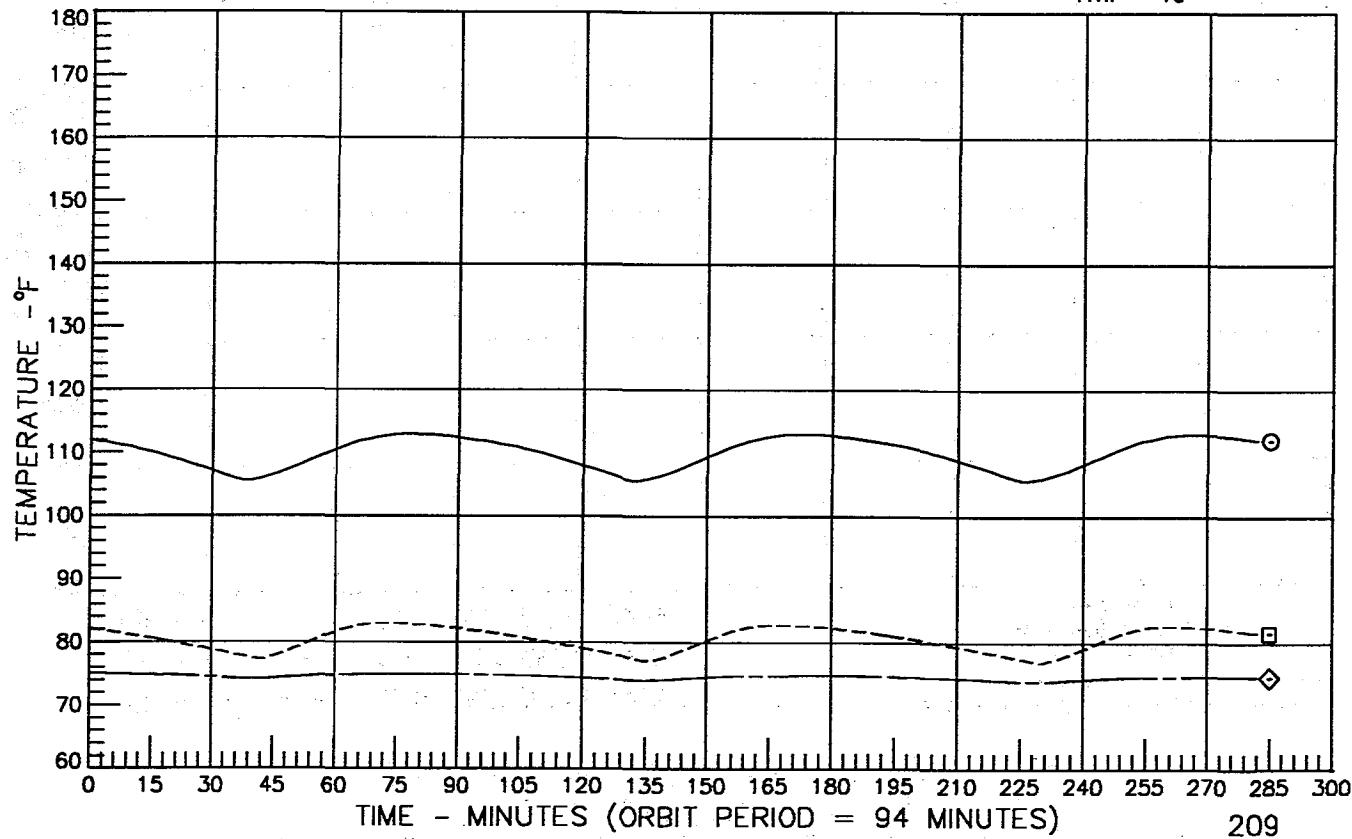
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
 PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
 ALBEDO = 31%  
 ALTITUDE = 255 NM  
 YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH FACING END LONGERON ROW 10-11

○——— 185 +52° BETA ANGLE  
□----- 185 0° BETA ANGLE  
◊----- 185 -52° BETA ANGLE

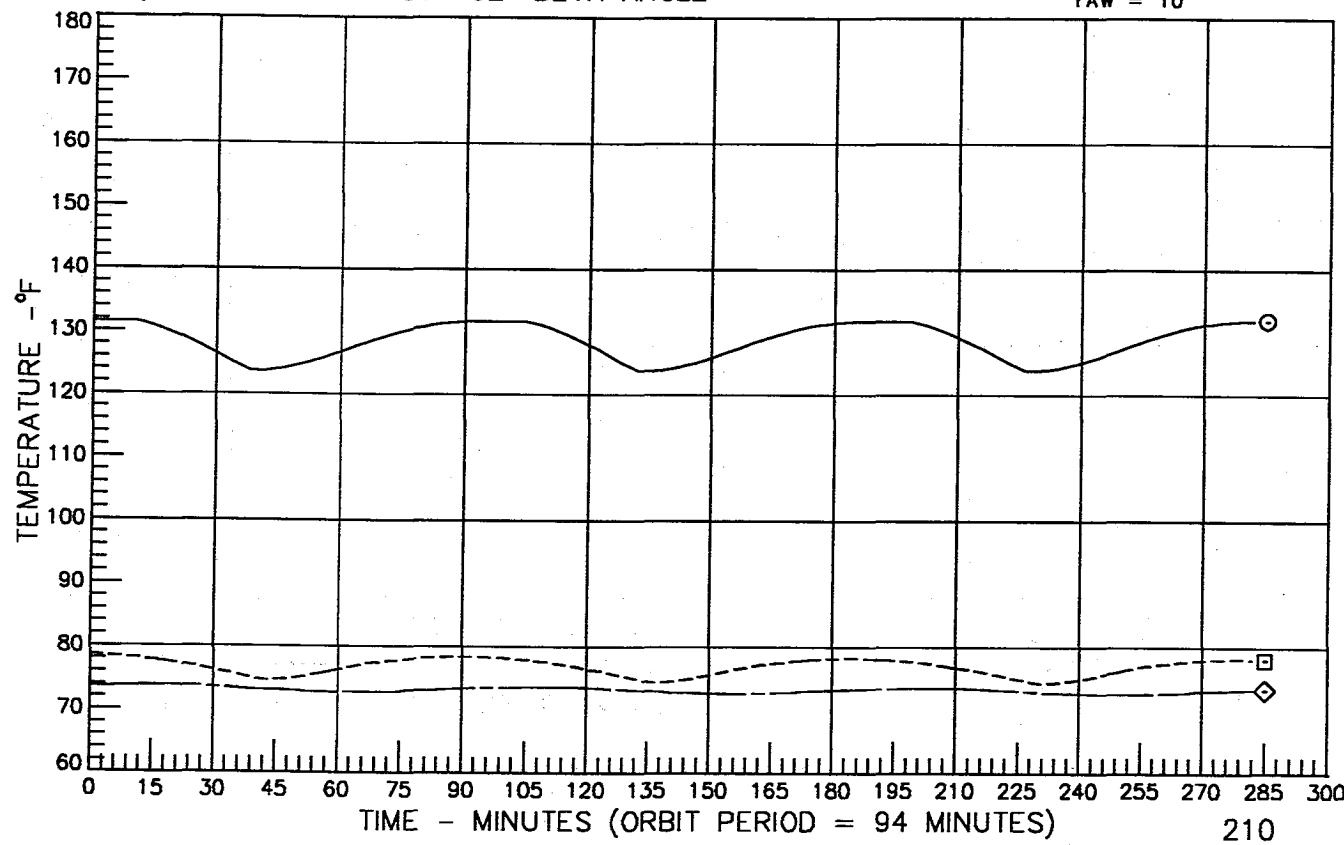
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



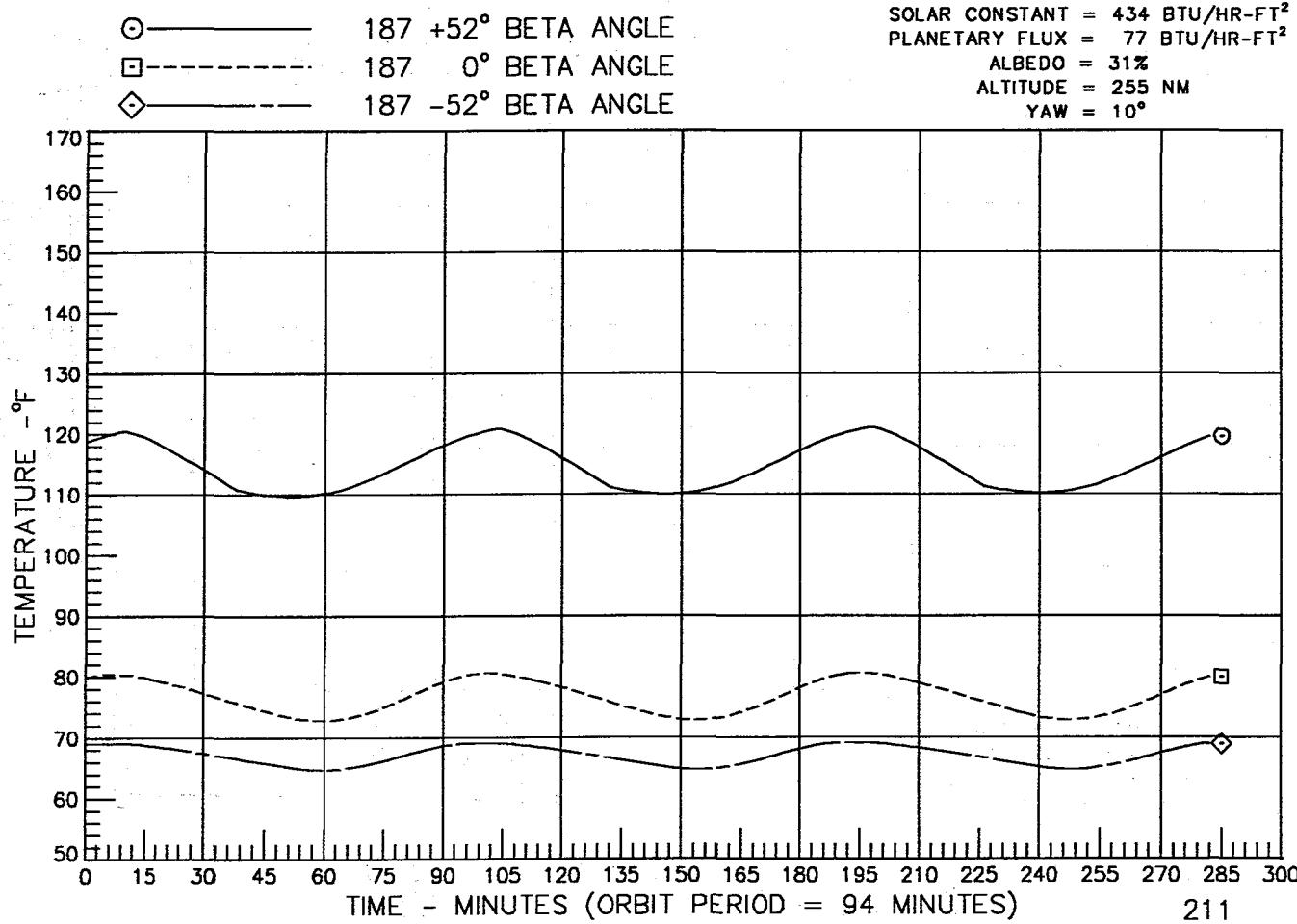
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH FACING END LONGERON ROW 11-12

○——— 186 +52° BETA ANGLE  
□----- 186 0° BETA ANGLE  
◊——— 186 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



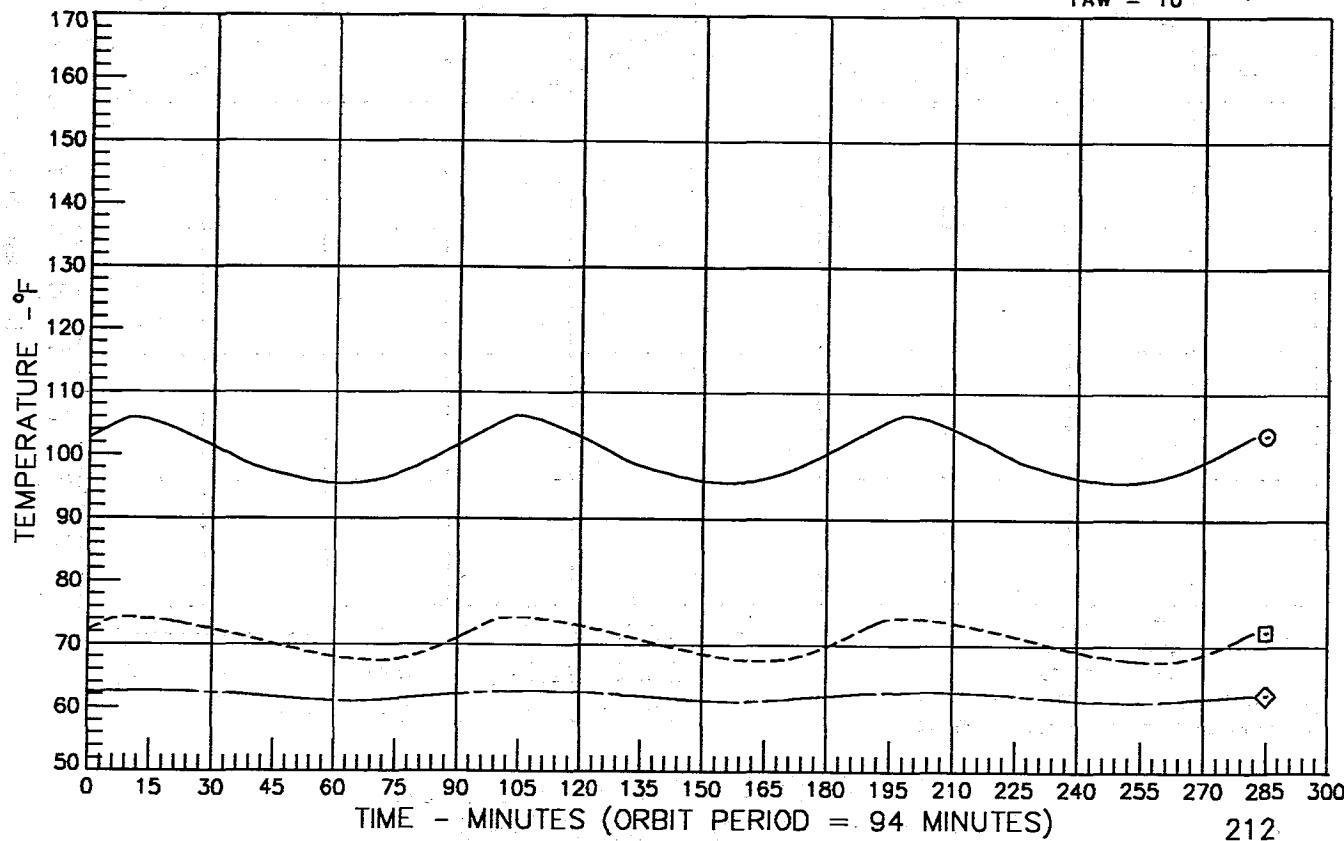
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE FACING END LONGERON ROW 12-1



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE FACING END LONGERON ROW 1-2

○ ————— 188 +52° BETA ANGLE  
□ ----- 188 0° BETA ANGLE  
◊ ————— 188 -52° BETA ANGLE

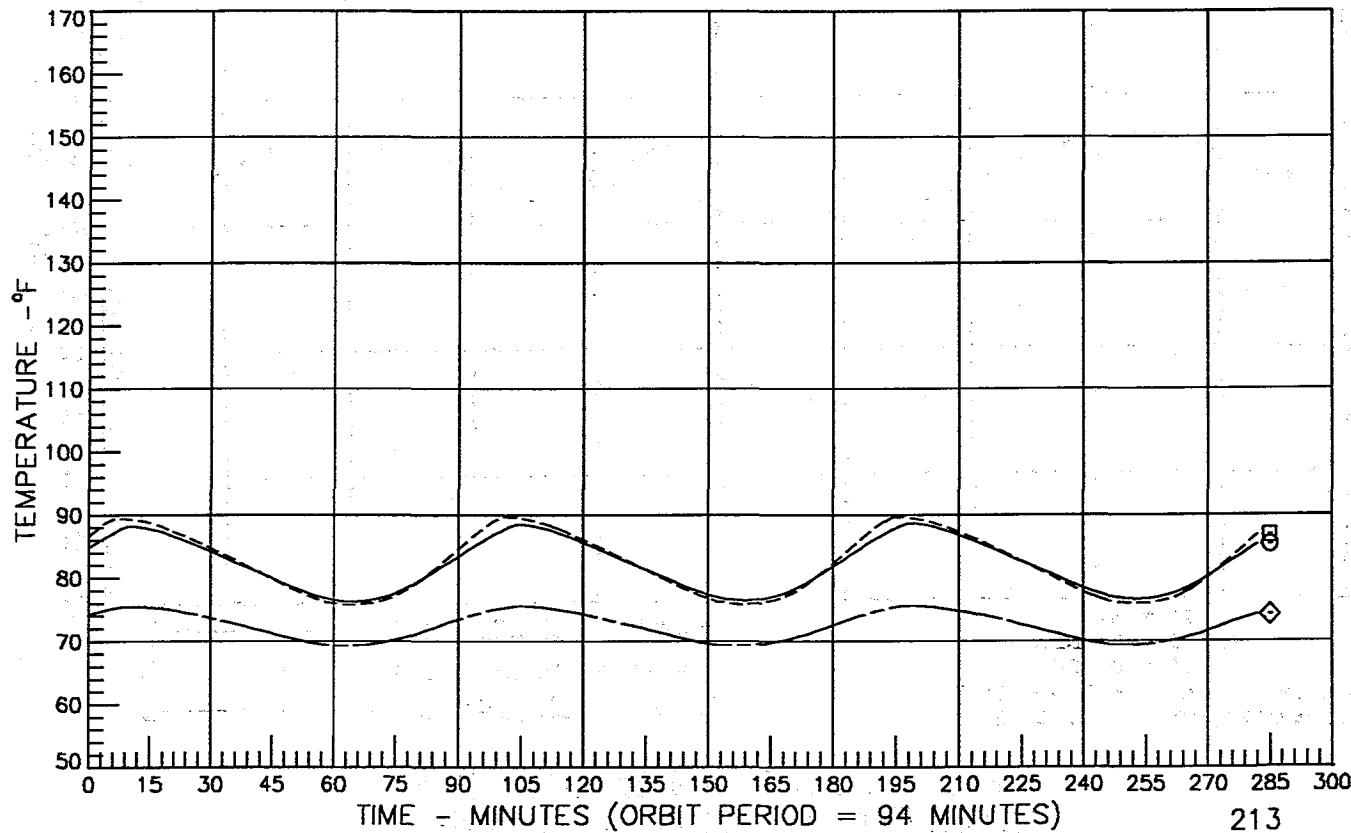
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE FACING END LONGERON ROW 2-3

○——— 189 +52° BETA ANGLE  
□----- 189 0° BETA ANGLE  
◊——— 189 -52° BETA ANGLE

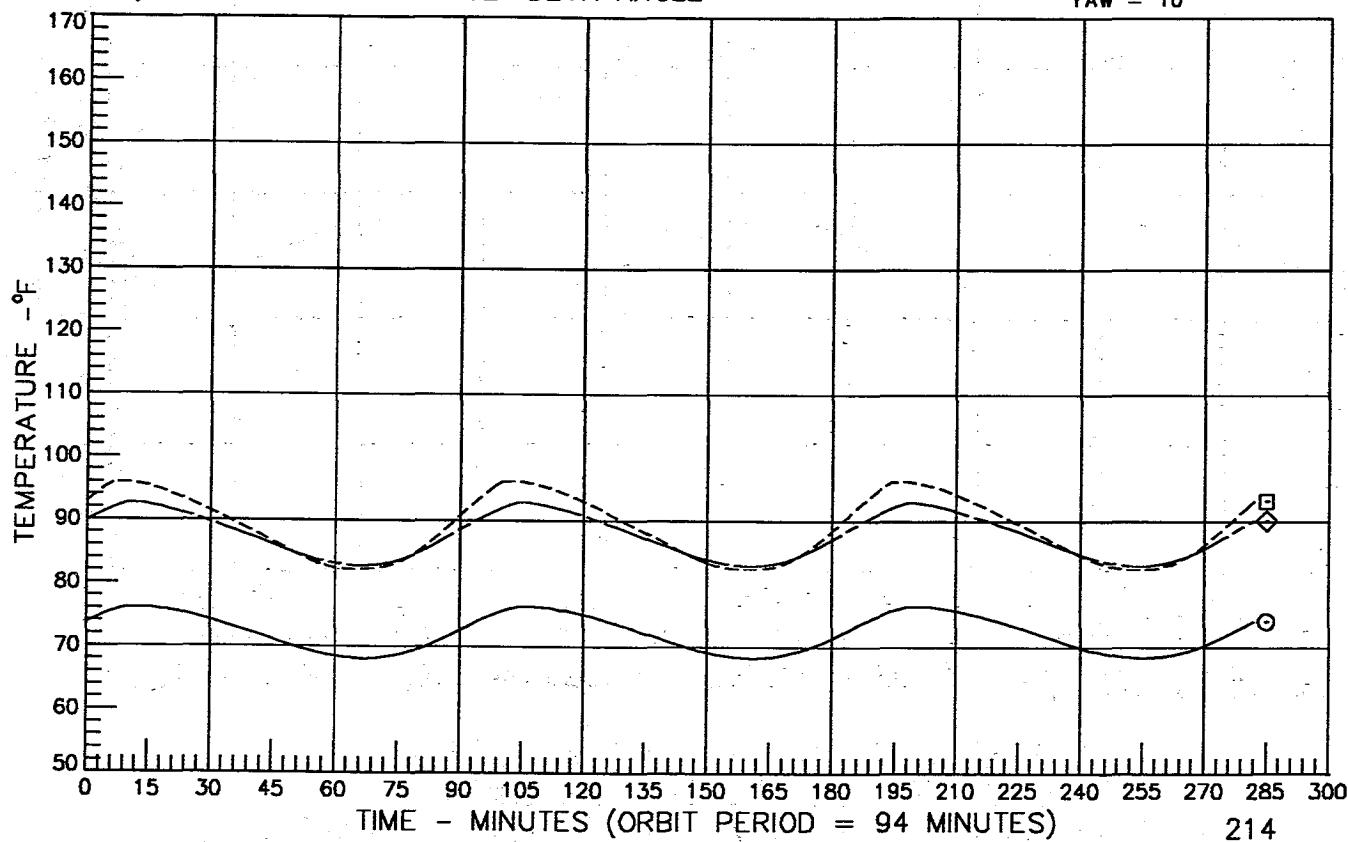
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE FACING END LONGERON ROW 3-4

○— 190 +52° BETA ANGLE  
□--- 190 0° BETA ANGLE  
◊— 190 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE FACING END LONGERON ROW 4-5

○ ----- 191 +52° BETA ANGLE

□ ----- 191 0° BETA ANGLE

◊ ----- 191 -52° BETA ANGLE

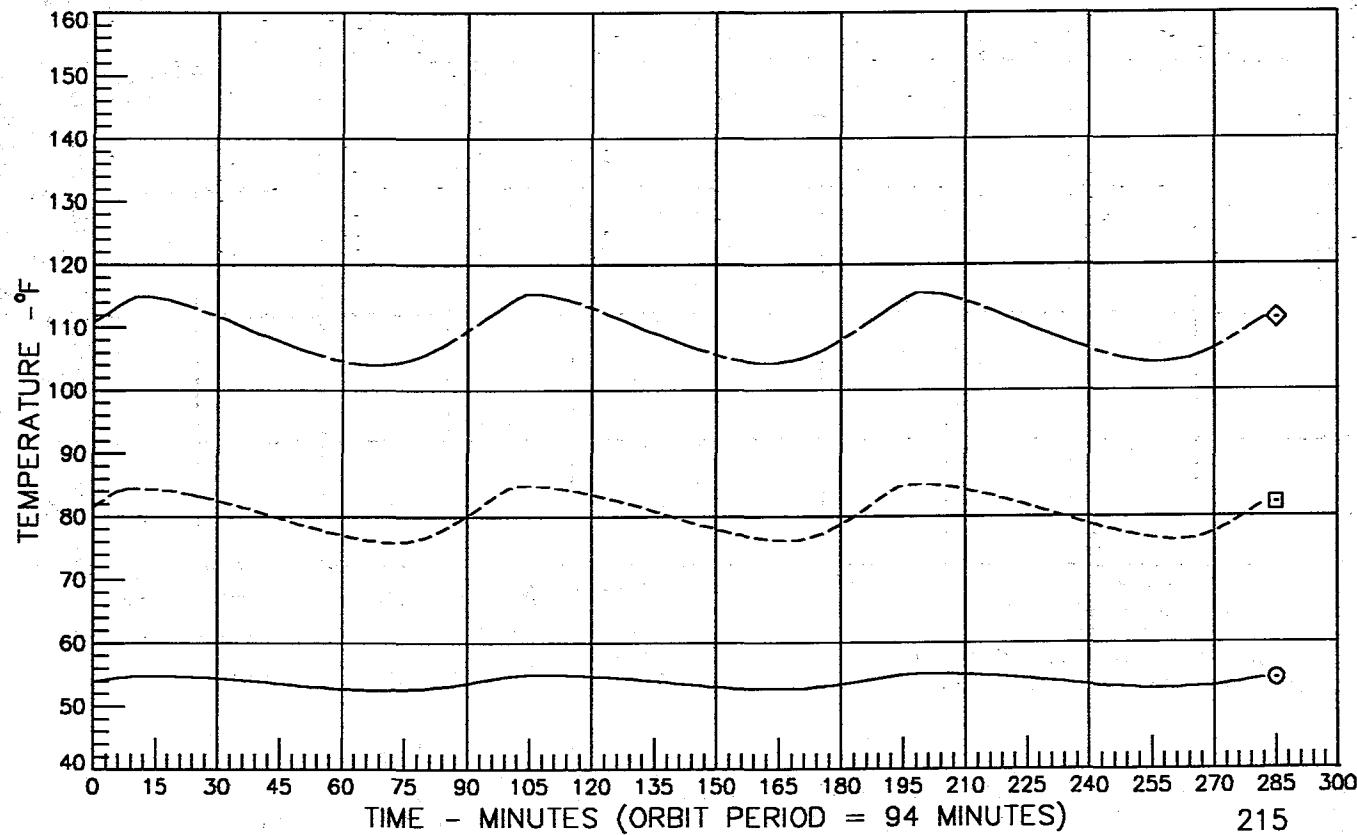
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

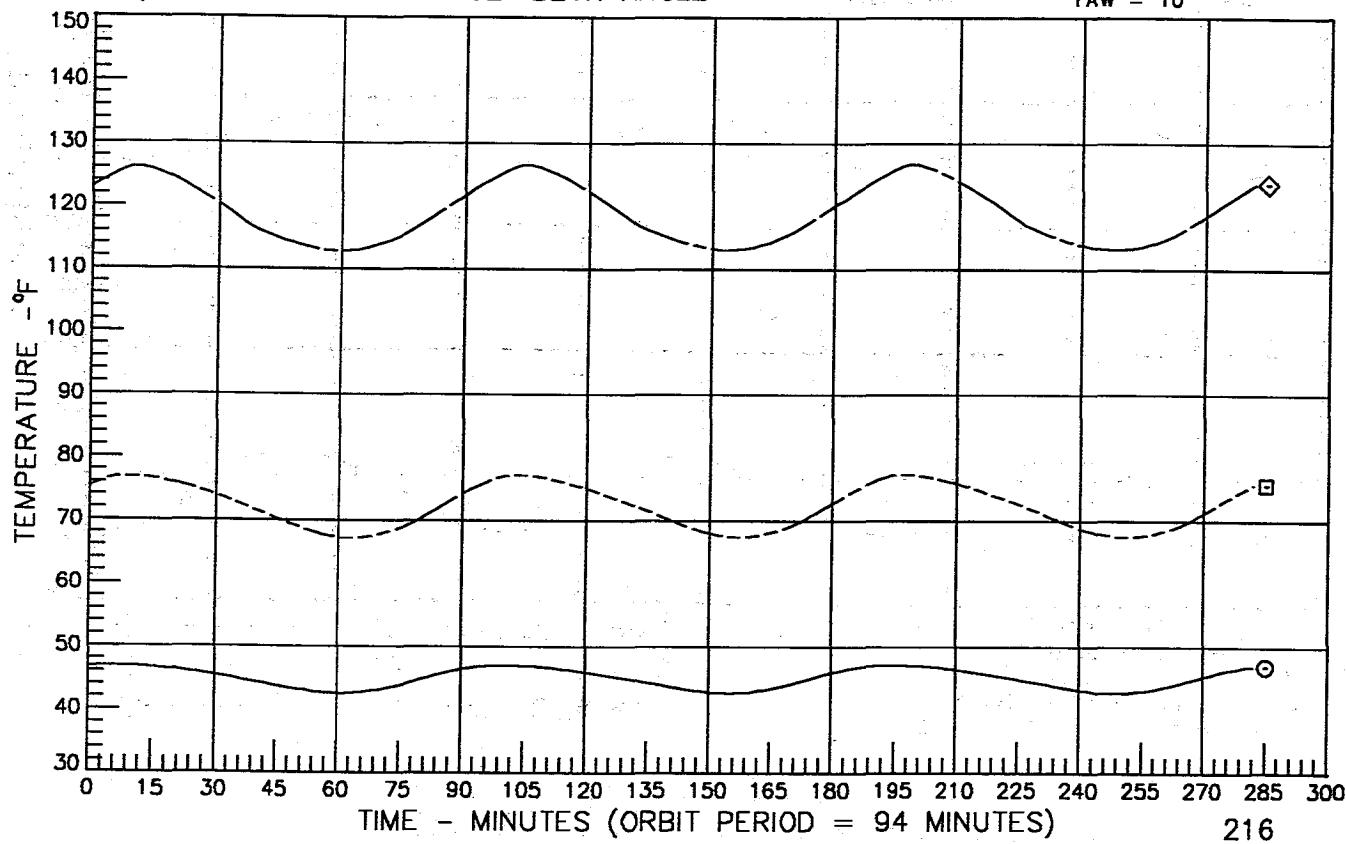
YAW = 10°



**LONG DURATION EXPOSURE FACILITY**  
**TRANSIENT ORBITAL TEMPERATURES**  
**SPACE FACING END LONGERON ROW 5-6**

○ ————— 192 +52° BETA ANGLE  
 □ ----- 192 0° BETA ANGLE  
 ♦ ————— 192 -52° BETA ANGLE

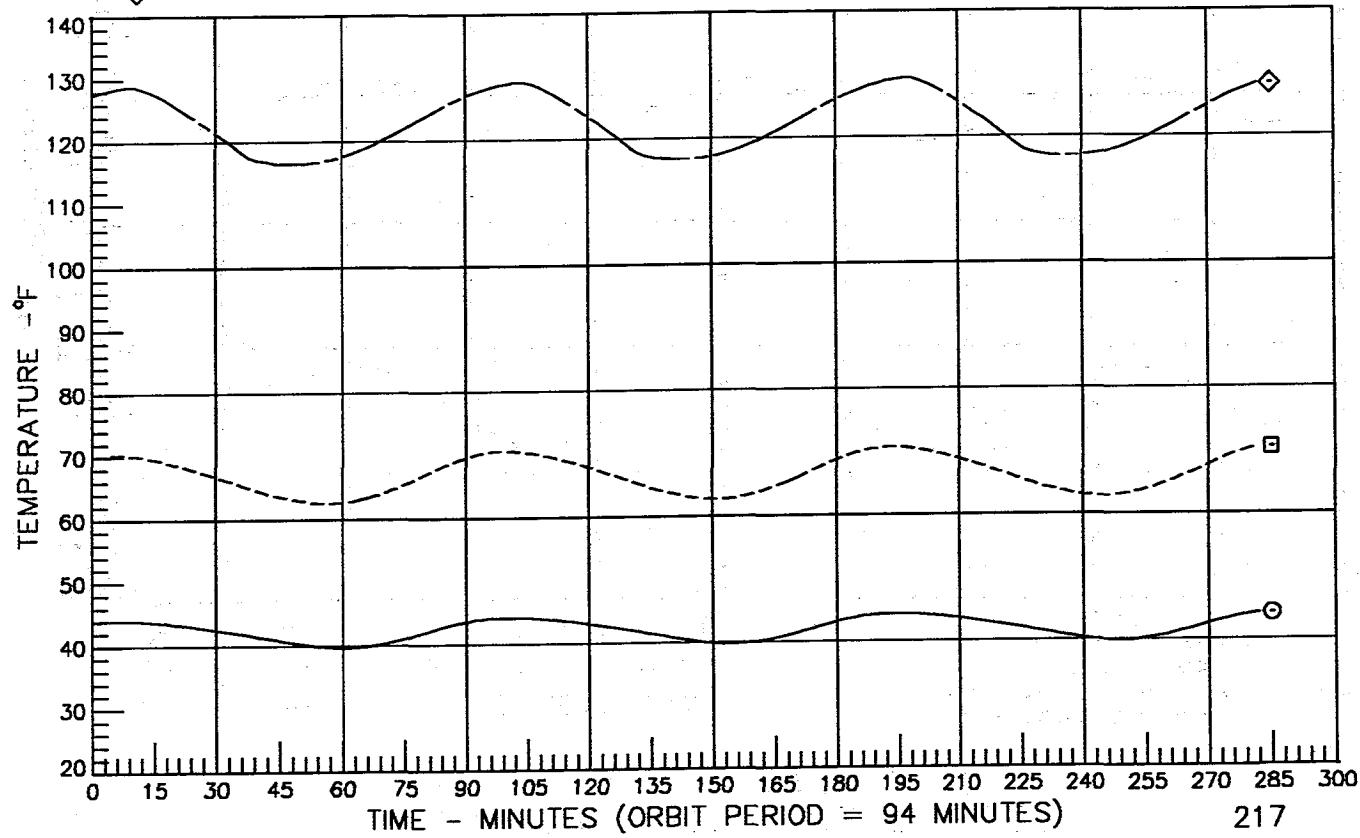
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
 PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
 ALBEDO = 31%  
 ALTITUDE = 255 NM  
 YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE FACING END LONGERON ROW 6-7

○——— 193 +52° BETA ANGLE  
□----- 193 0° BETA ANGLE  
◊----- 193 -52° BETA ANGLE

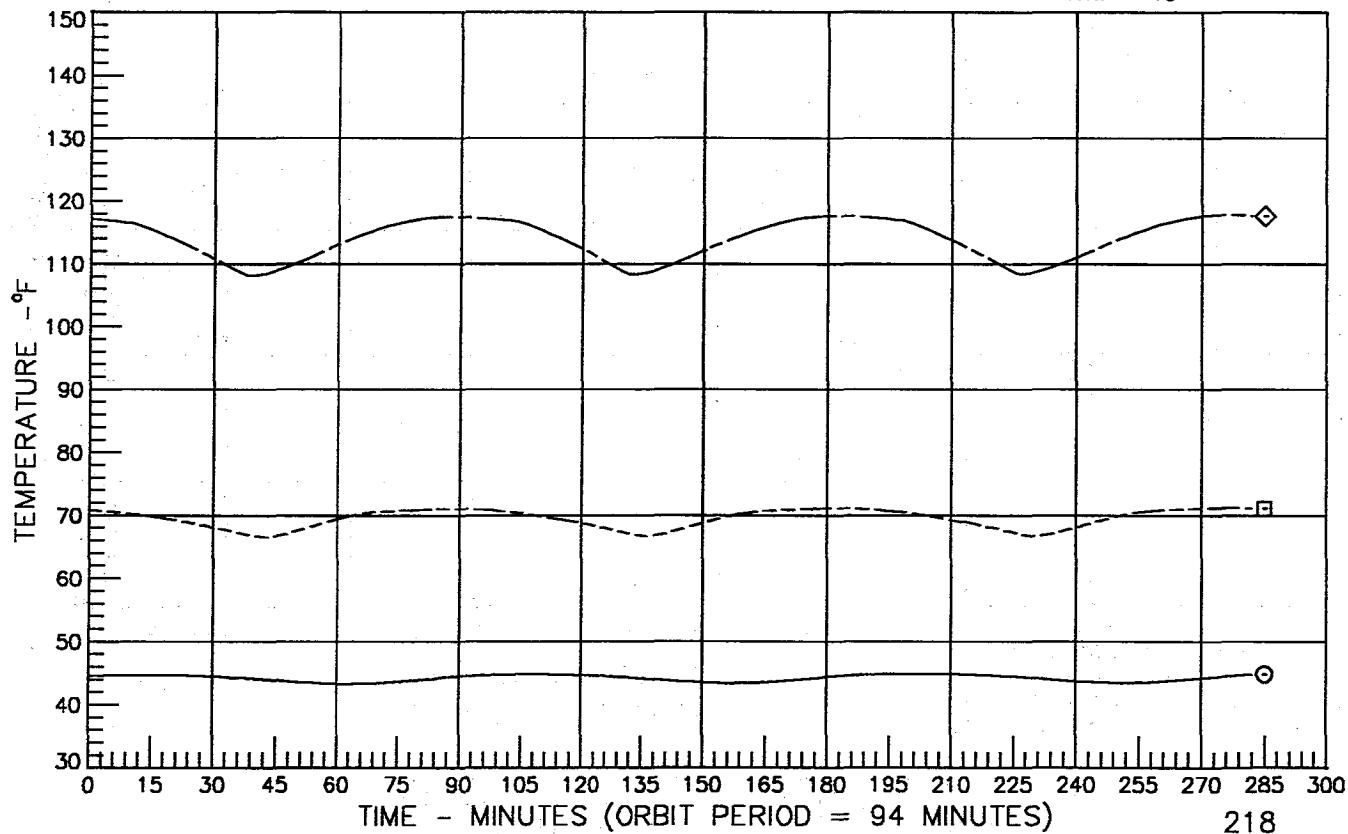
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE FACING END LONGERON ROW 7-8

○——— 194 +52° BETA ANGLE  
□----- 194 0° BETA ANGLE  
◊----- 194 -52° BETA ANGLE

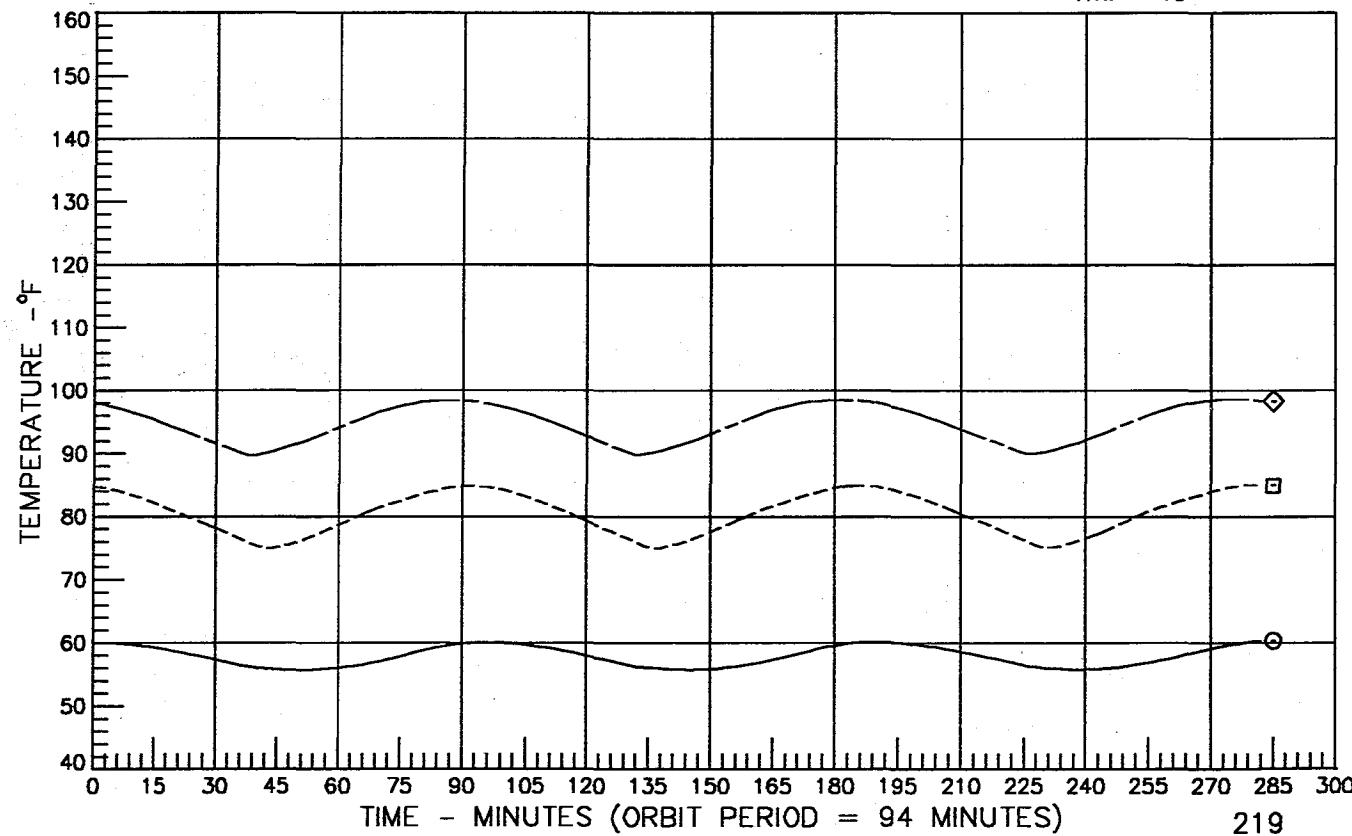
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE FACING END LONGERON ROW 8-9

○——— 195 +52° BETA ANGLE  
□----- 195 0° BETA ANGLE  
◇----- 195 -52° BETA ANGLE

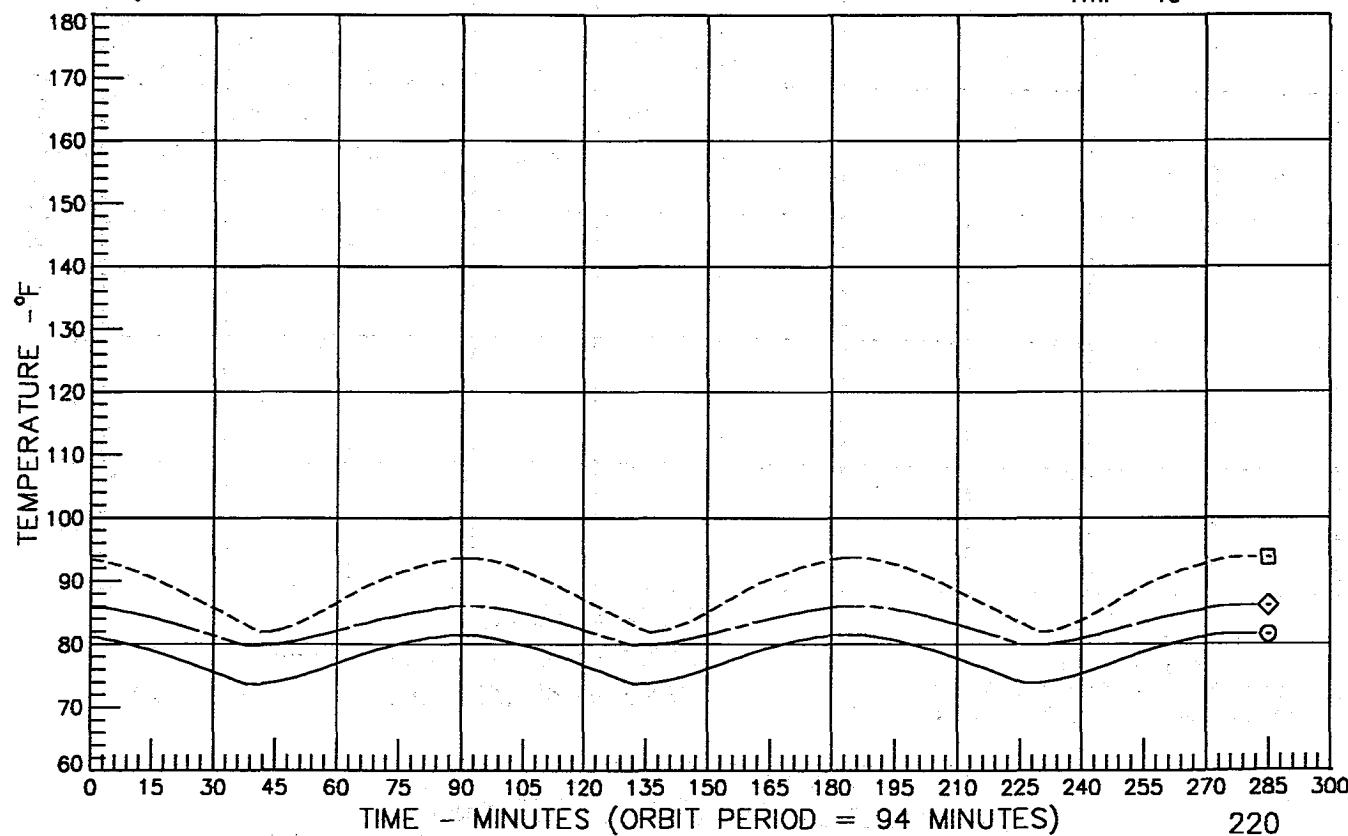
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE FACING END LONGERON ROW 9-10

○——— 196 +52° BETA ANGLE  
□----- 196 0° BETA ANGLE  
◇----- 196 -52° BETA ANGLE

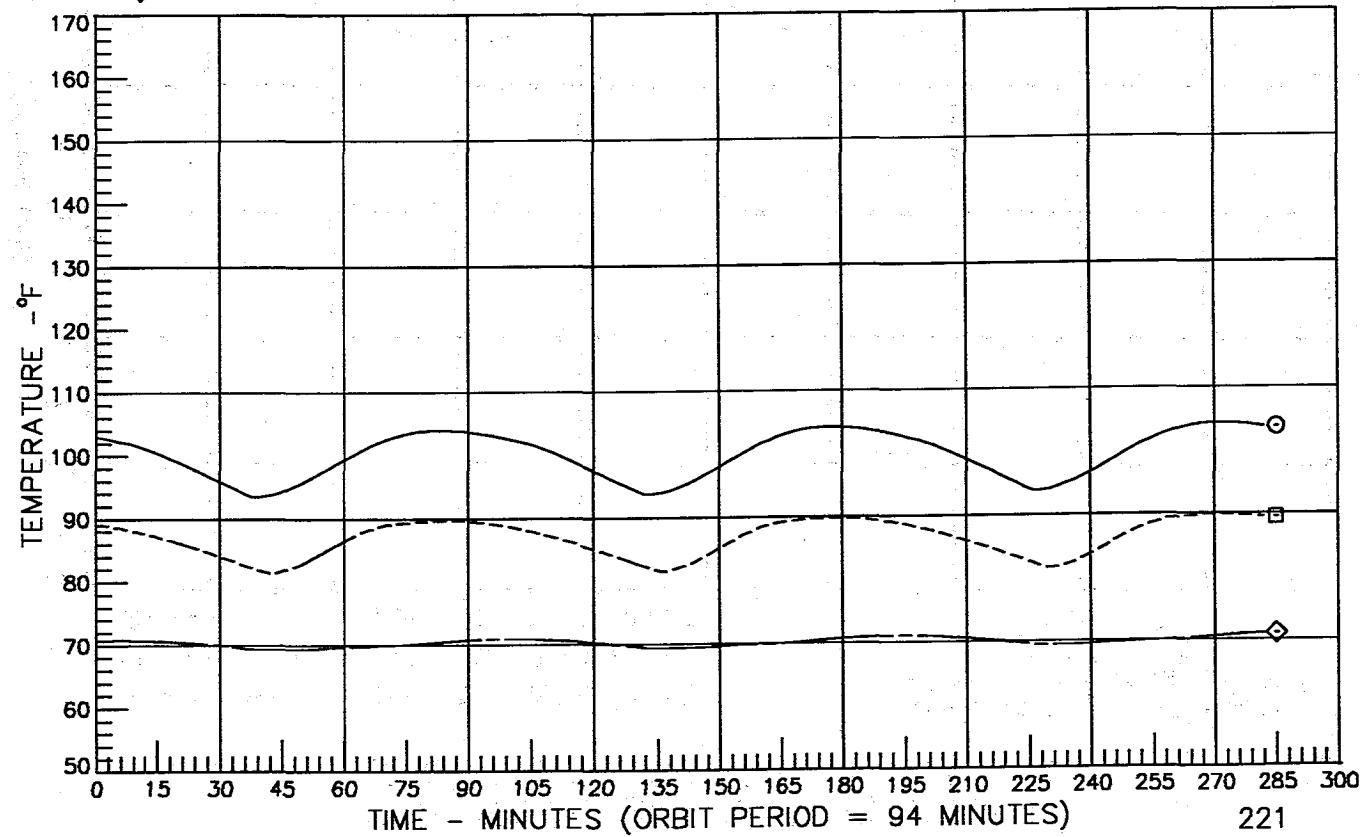
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE FACING END LONGERON ROW 10-11

- ————— 197 +52° BETA ANGLE
- - - - - - 197 0° BETA ANGLE
- ◊ ————— 197 -52° BETA ANGLE

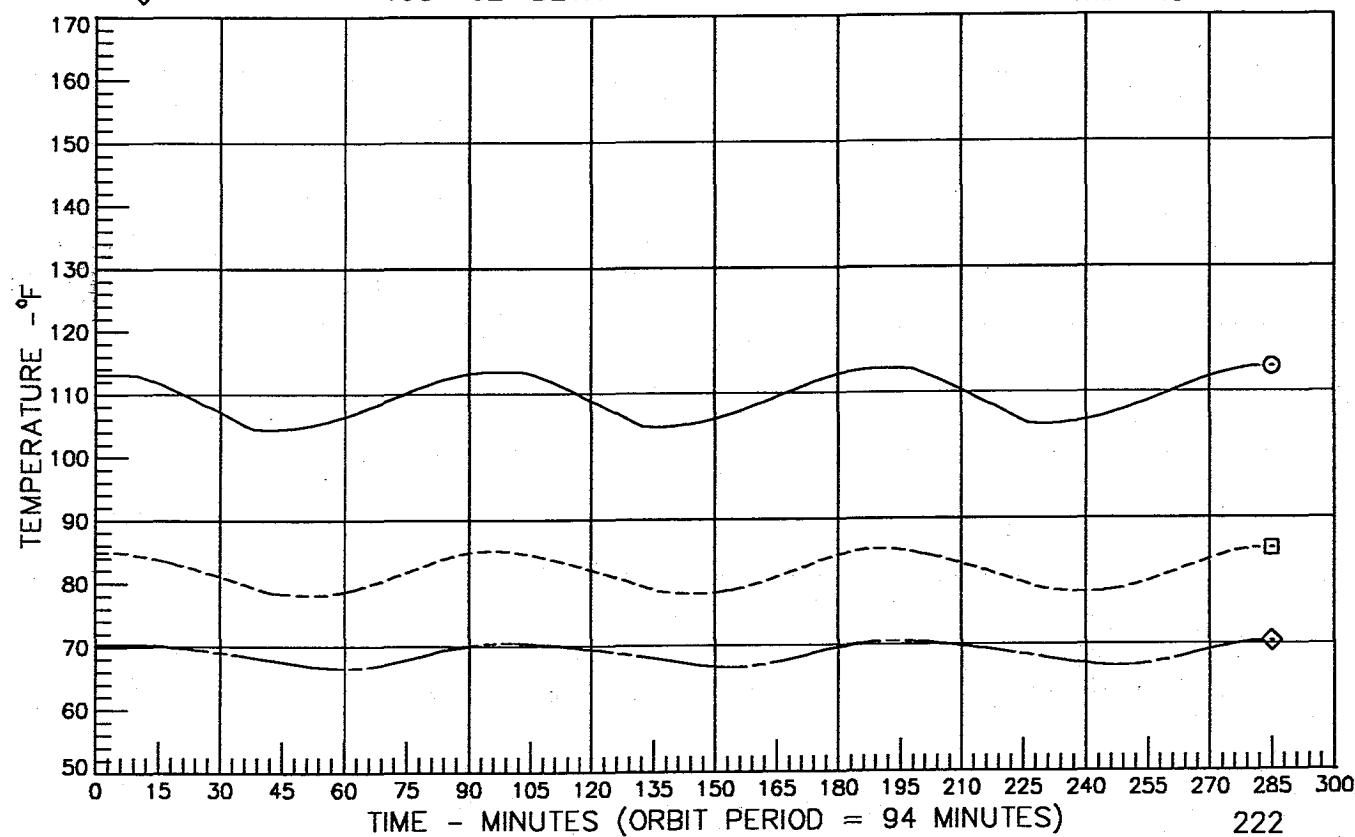
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE FACING END LONGERON ROW 11-12

○——— 198 +52° BETA ANGLE  
□----- 198 0° BETA ANGLE  
◊----- 198 -52° BETA ANGLE

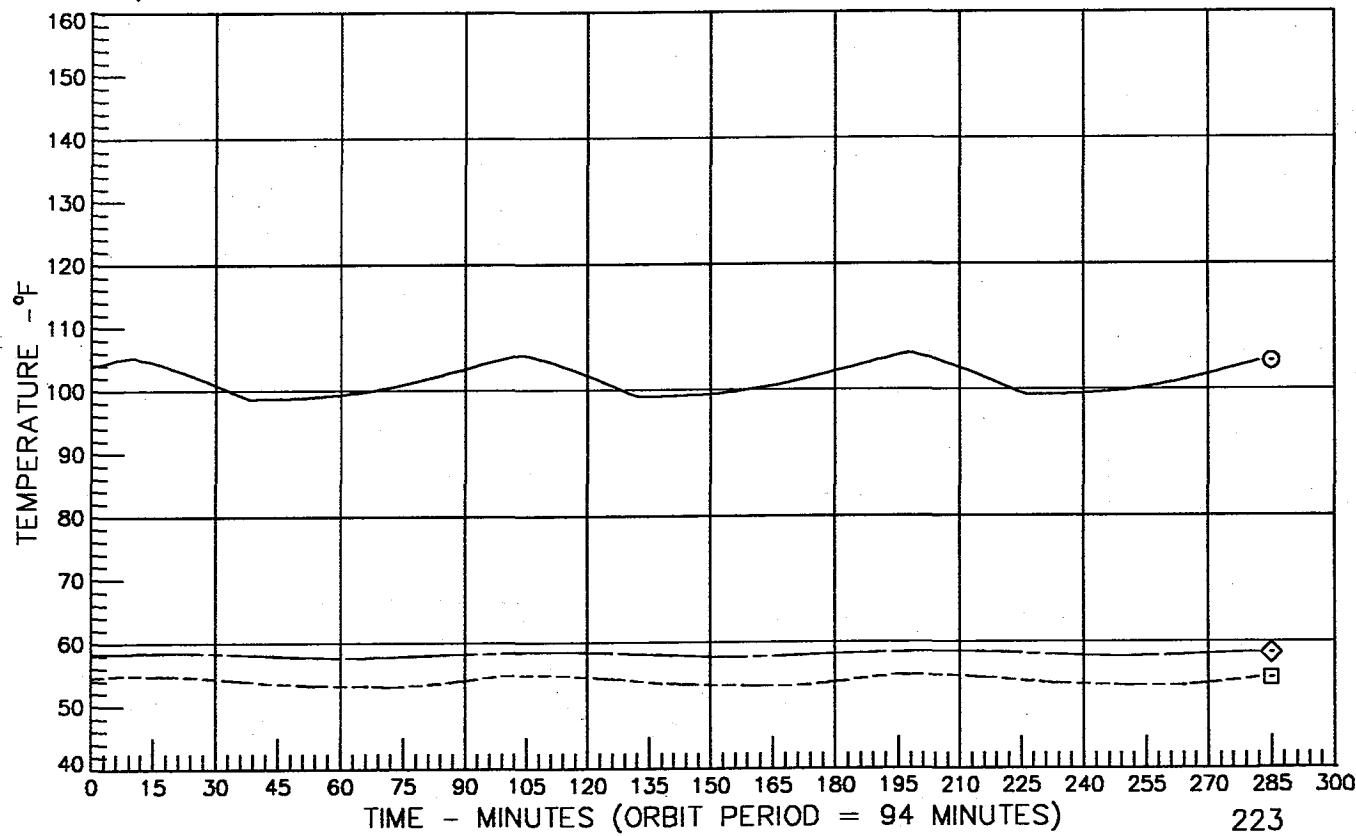
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE FACING LONGERON ROW 12-1

○——— 240 +52° BETA ANGLE  
□----- 240 0° BETA ANGLE  
◊----- 240 -52° BETA ANGLE

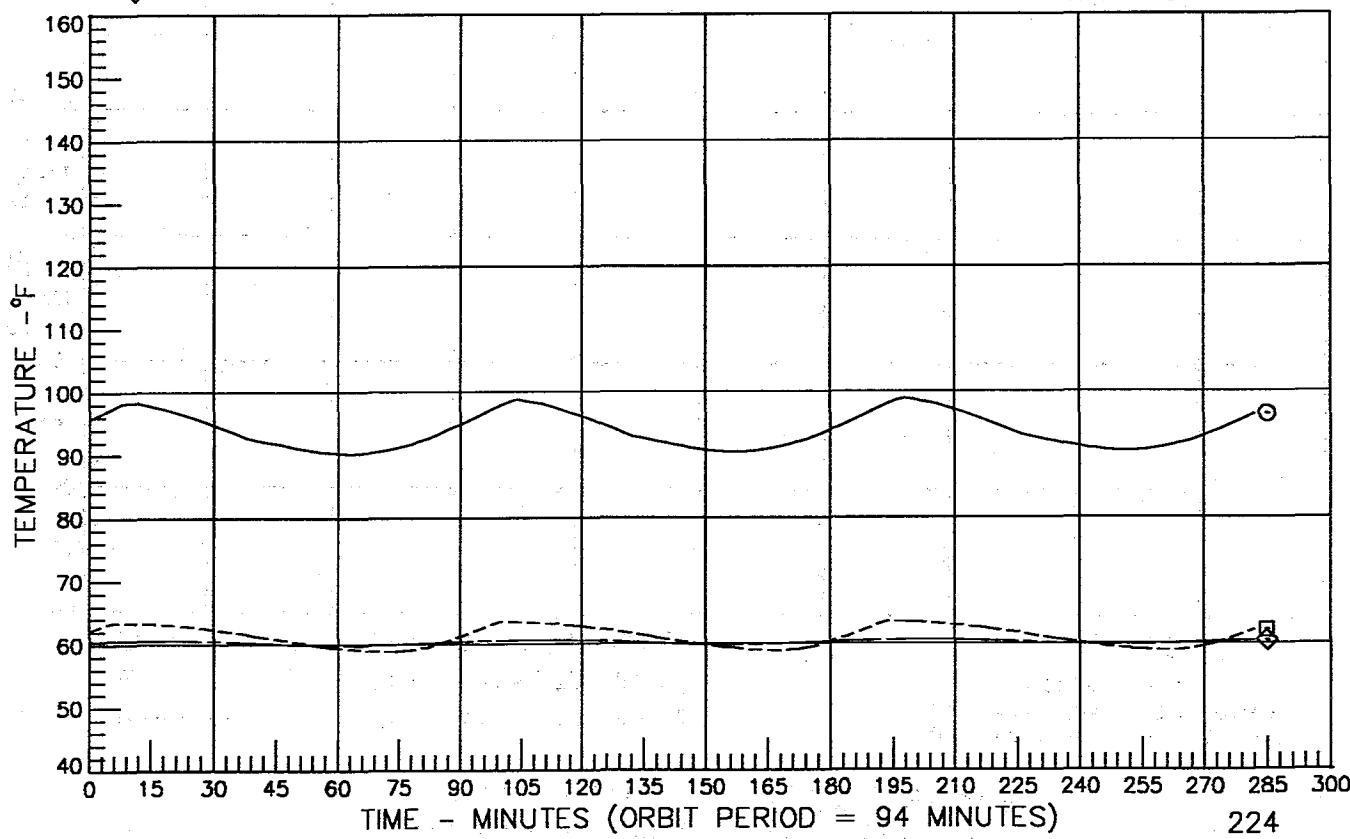
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE FACING LONGERON ROW 1-2

○ ————— 241 +52° BETA ANGLE  
□ ----- 241 0° BETA ANGLE  
◇ ----- 241 -52° BETA ANGLE

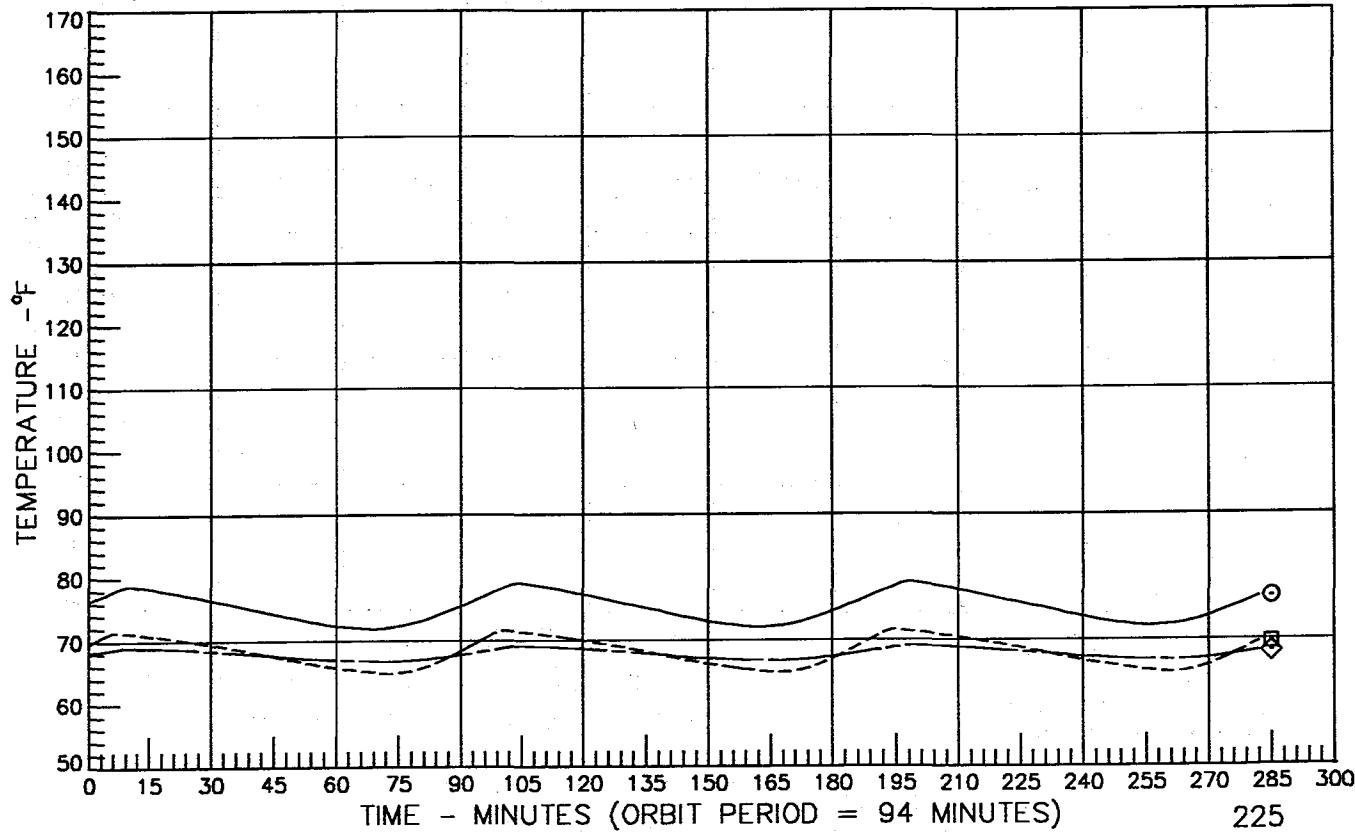
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE FACING LONGERON ROW 2-3

○ ————— 242 +52° BETA ANGLE  
□ ----- 242 0° BETA ANGLE  
◇ ----- 242 -52° BETA ANGLE

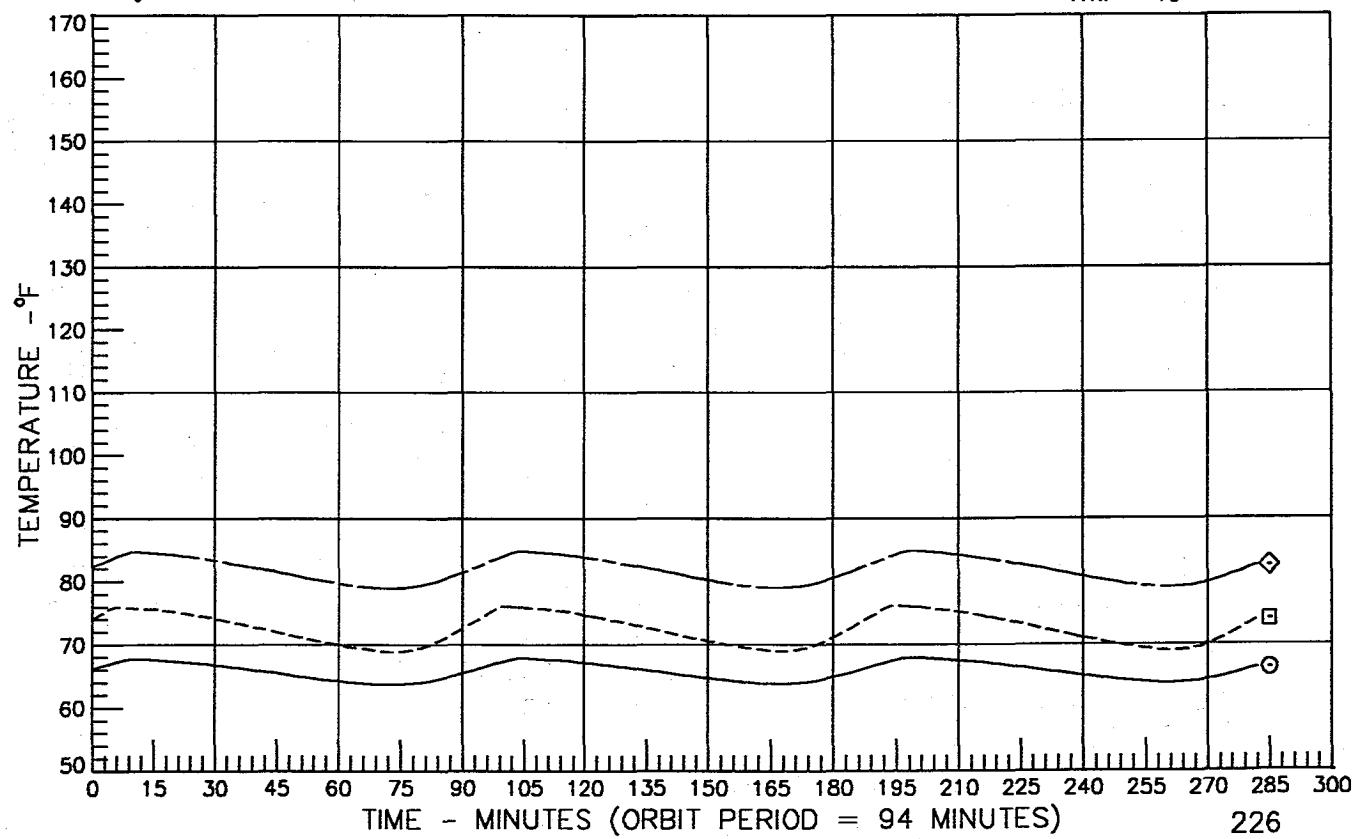
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE FACING LONGERON ROW 3-4

○——— 243 +52° BETA ANGLE  
□----- 243 0° BETA ANGLE  
◊----- 243 -52° BETA ANGLE

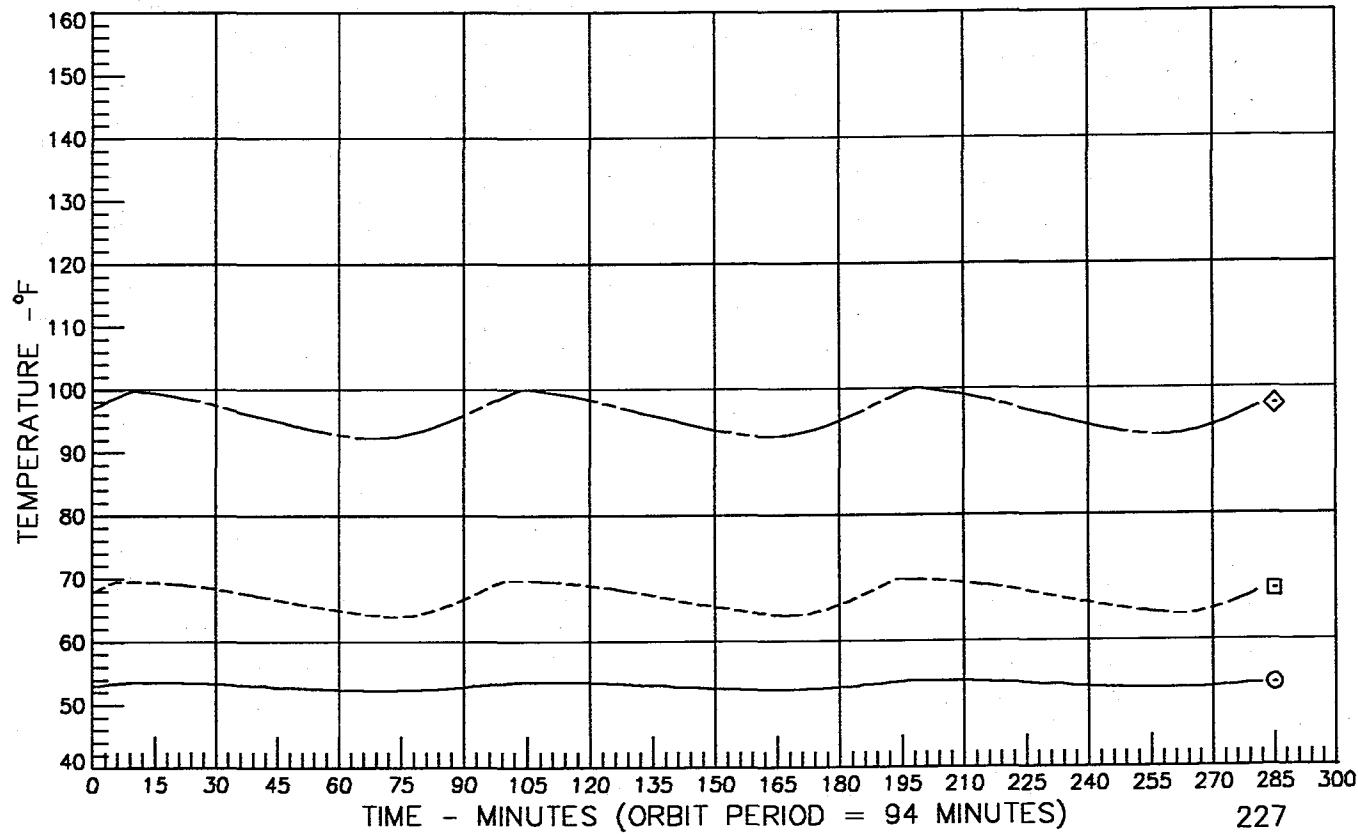
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE FACING LONGERON ROW 4-5

- 244 +52° BETA ANGLE
- 244 0° BETA ANGLE
- ◊----- 244 -52° BETA ANGLE

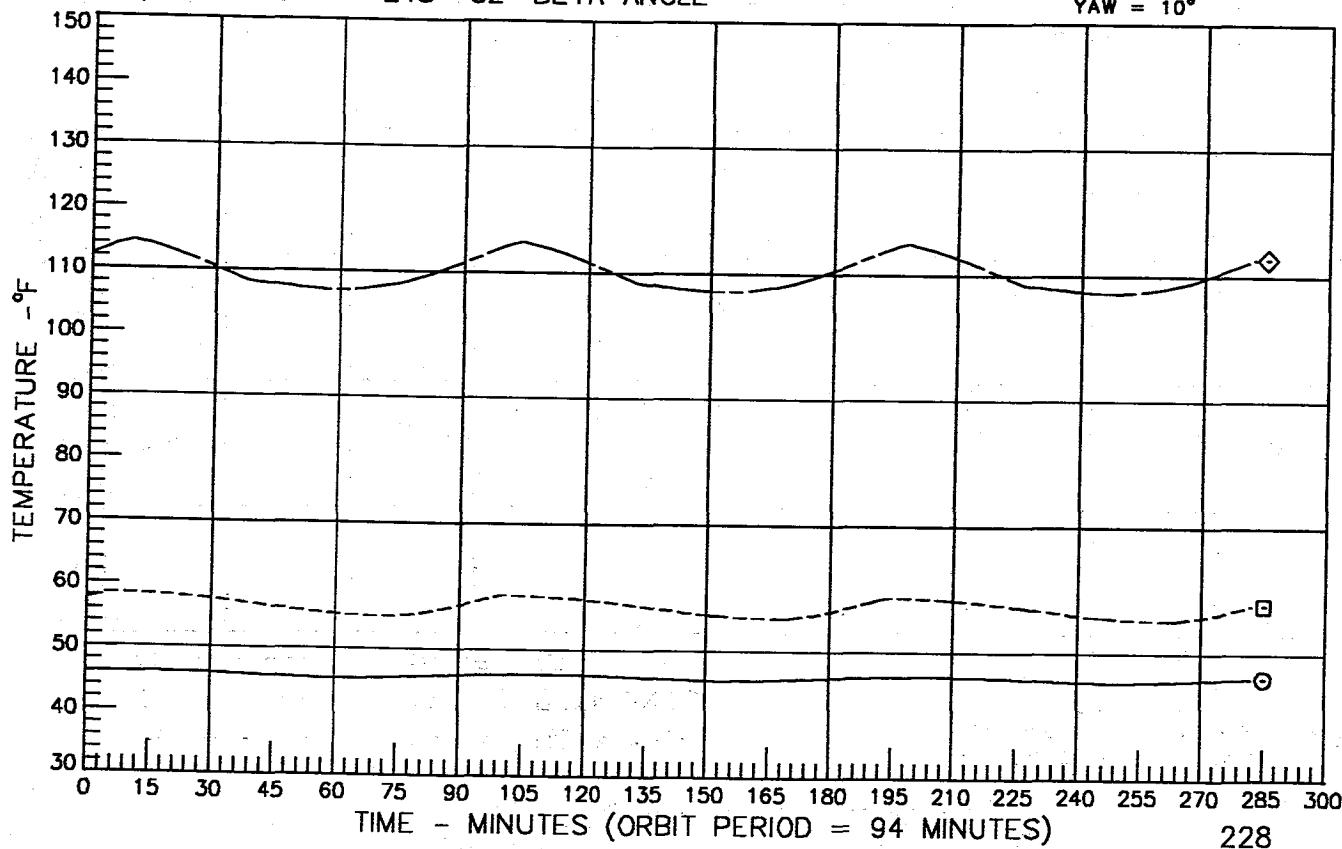
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



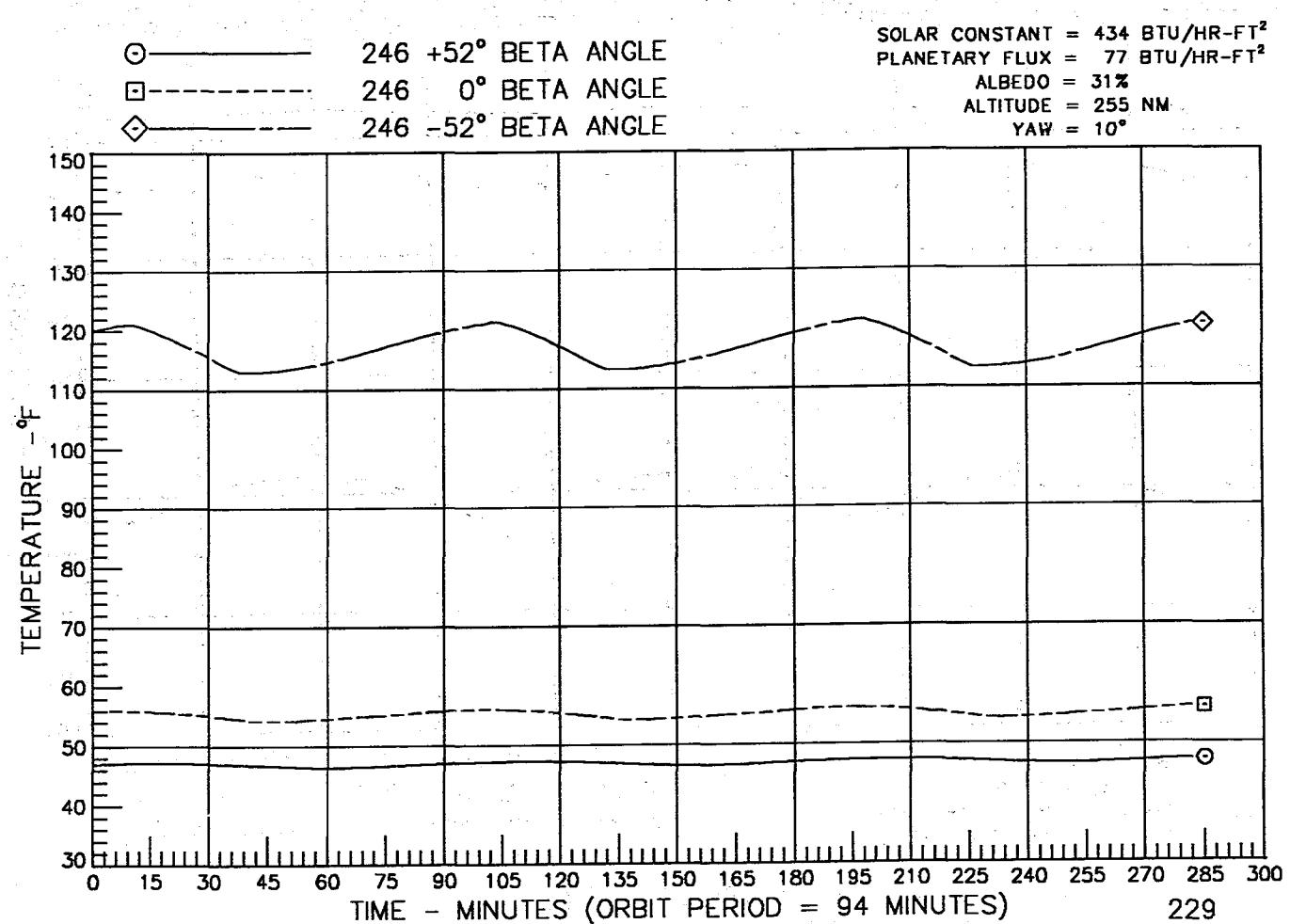
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE FACING LONGERON ROW 5-6

- ————— 245 +52° BETA ANGLE
- ----- 245 0° BETA ANGLE
- ◇ ----- 245 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



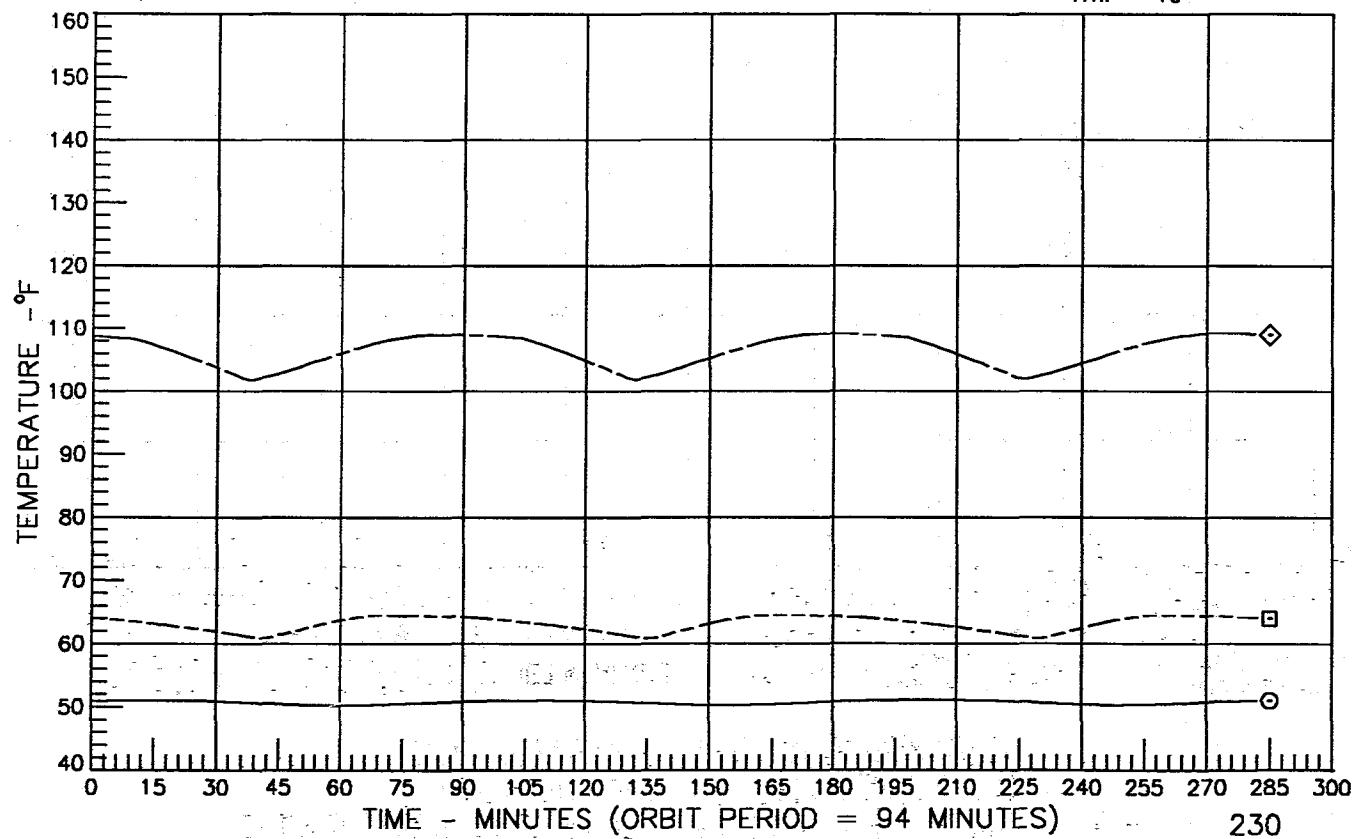
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE FACING LONGERON ROW 6-7



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE FACING LONGERON ROW 7-8

- ————— 247 +52° BETA ANGLE
- ----- 247 0° BETA ANGLE
- ◊ ----- 247 -52° BETA ANGLE

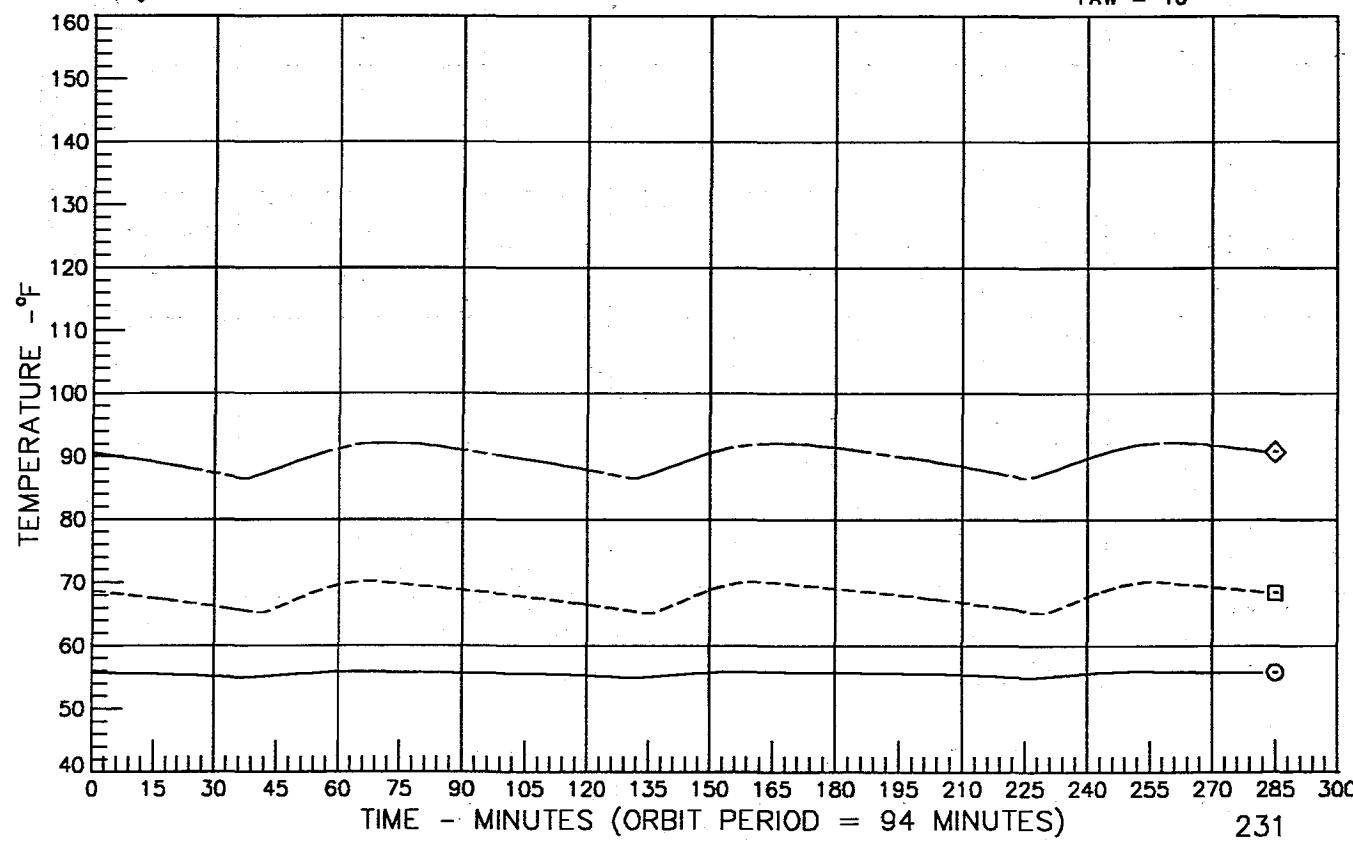
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE FACING LONGERON ROW 8-9

○ ————— 248 +52° BETA ANGLE  
□ ----- 248 0° BETA ANGLE  
◊ ————— 248 -52° BETA ANGLE

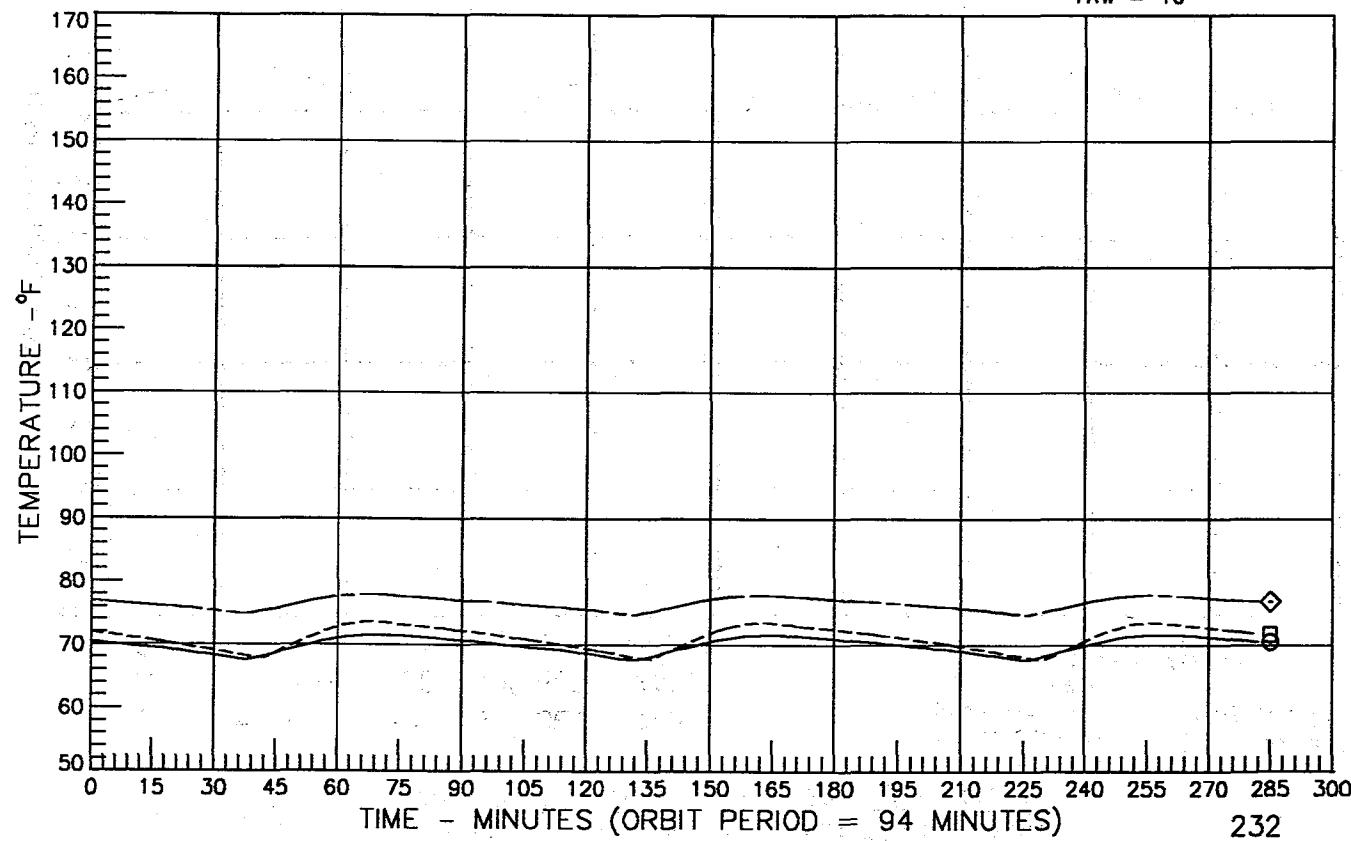
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE FACING LONGERON ROW 9-10

- ————— 249 +52° BETA ANGLE
- ----- 249 0° BETA ANGLE
- ◊ ----- 249 -52° BETA ANGLE

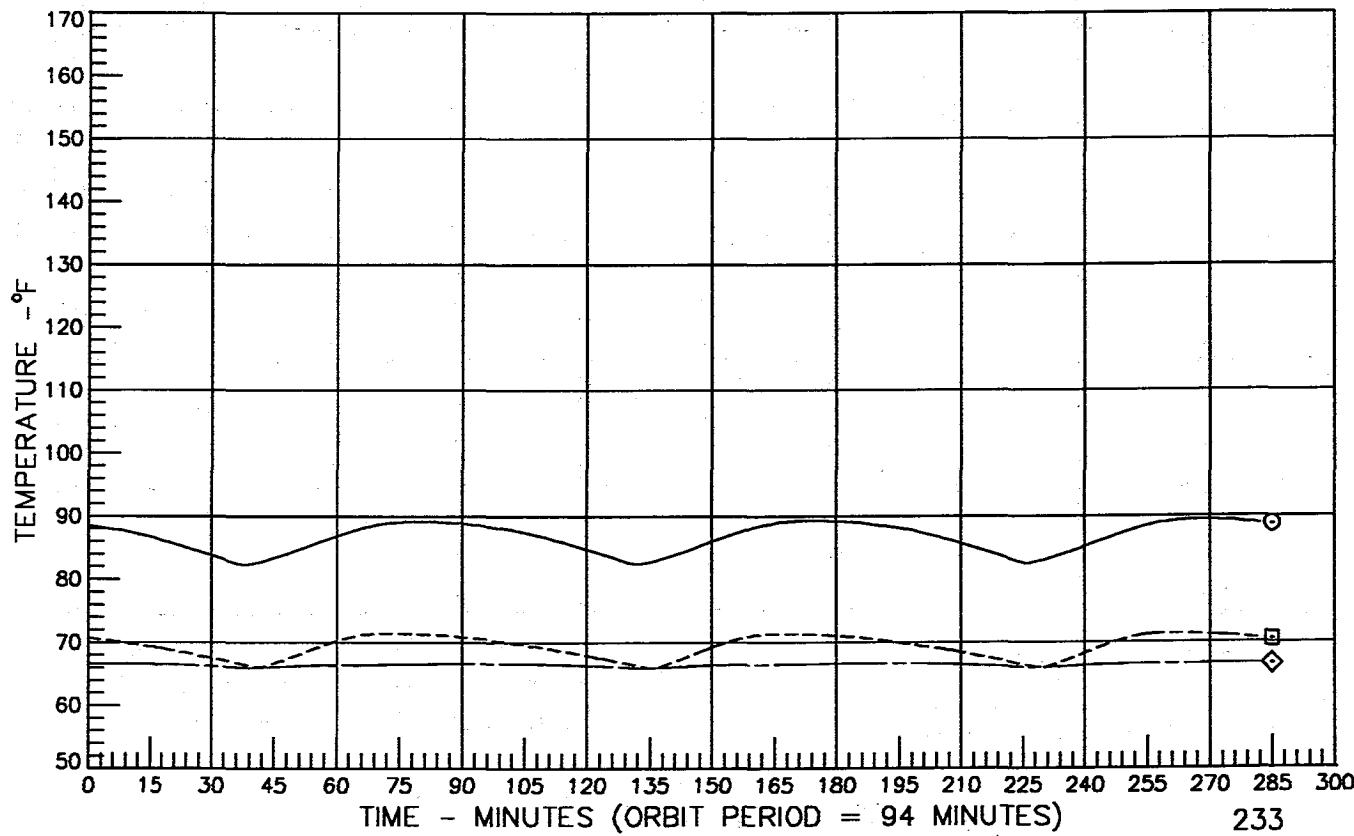
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE FACING LONGERON ROW 10-11

○ ————— 250 +52° BETA ANGLE  
□ ----- 250 0° BETA ANGLE  
◊ ----- 250 -52° BETA ANGLE

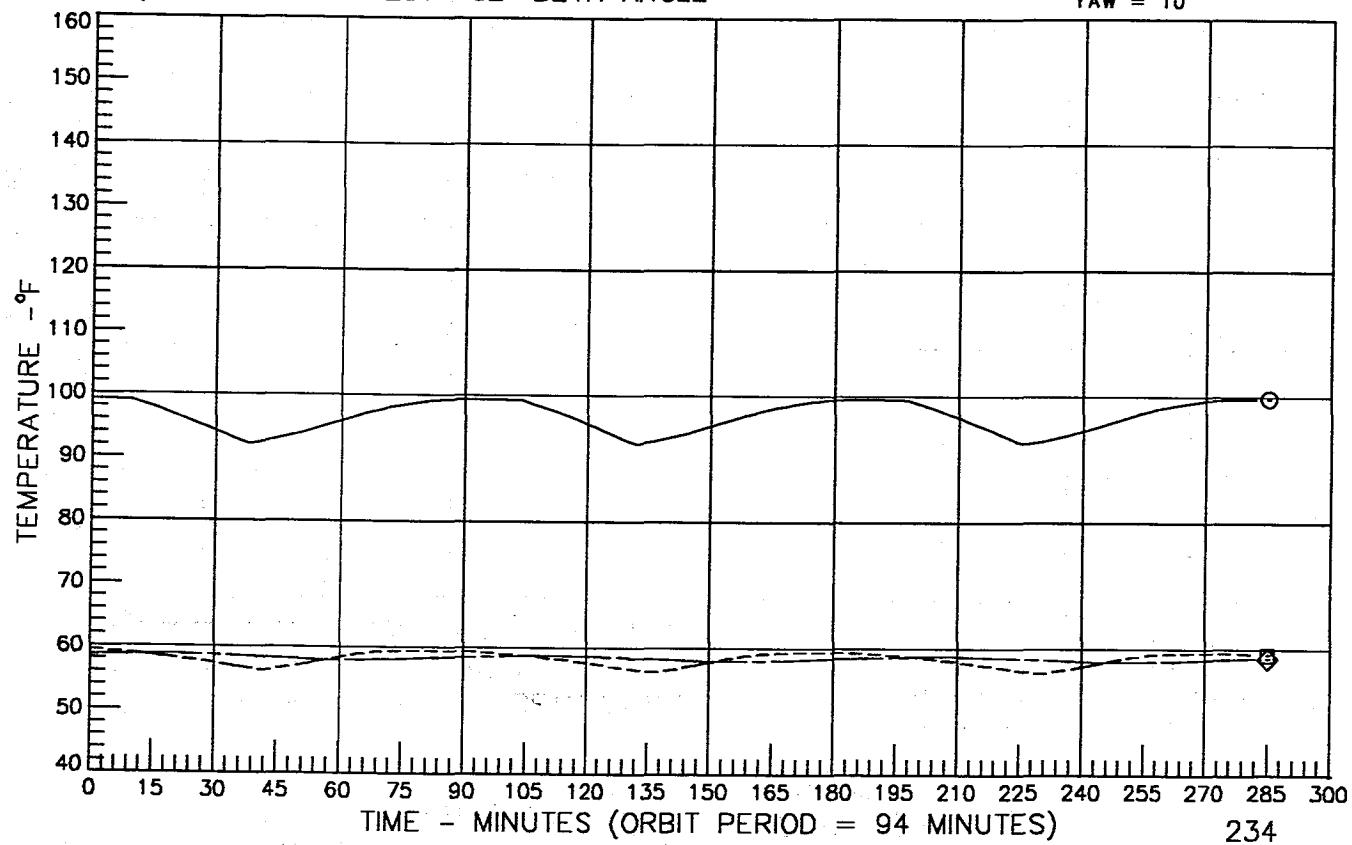
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE FACING LONGERON ROW 11-12

- ————— 251 +52° BETA ANGLE
- ----- 251 0° BETA ANGLE
- ◇ ----- 251 -52° BETA ANGLE

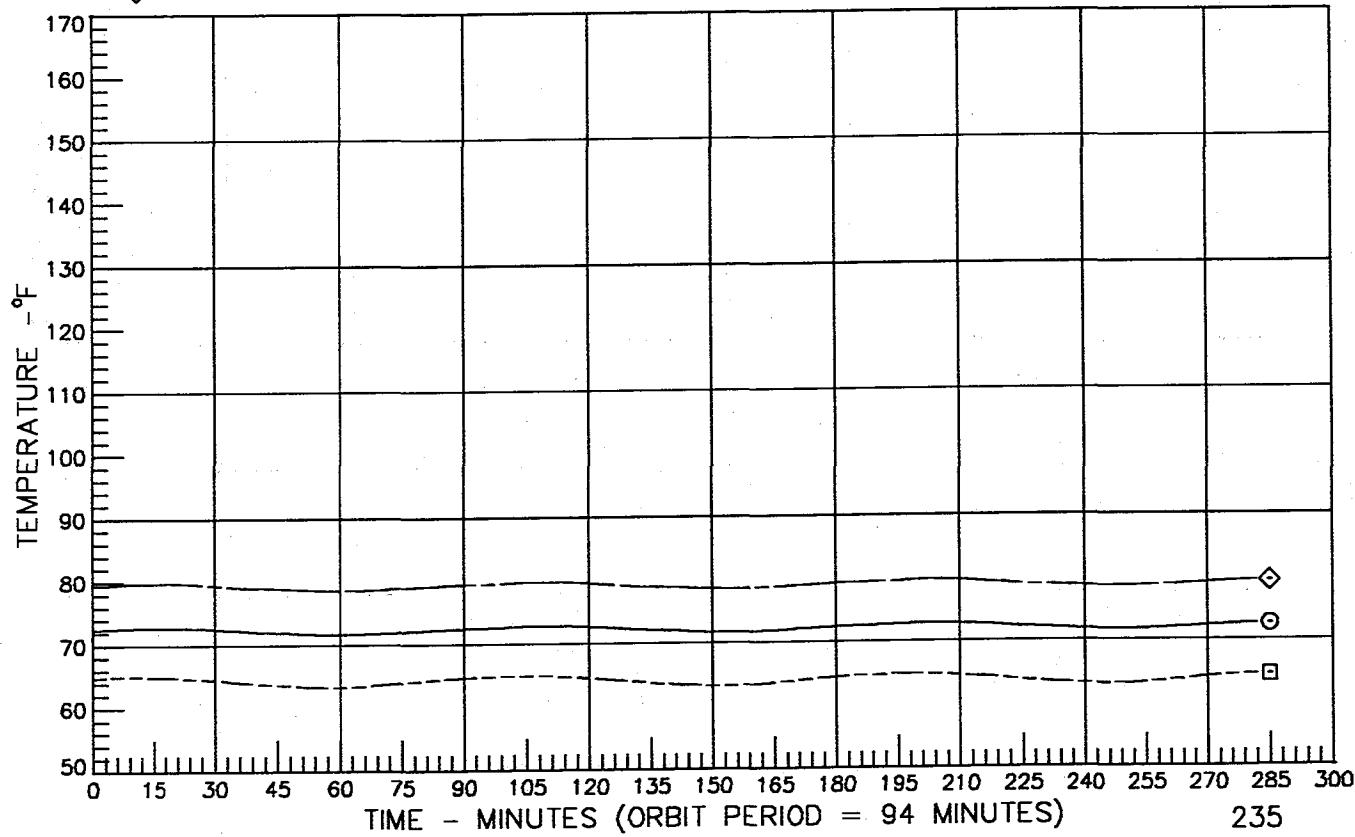
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH END CENTER

○——— 199 +52° BETA ANGLE  
□----- 199 0° BETA ANGLE  
◊——— 199 -52° BETA ANGLE

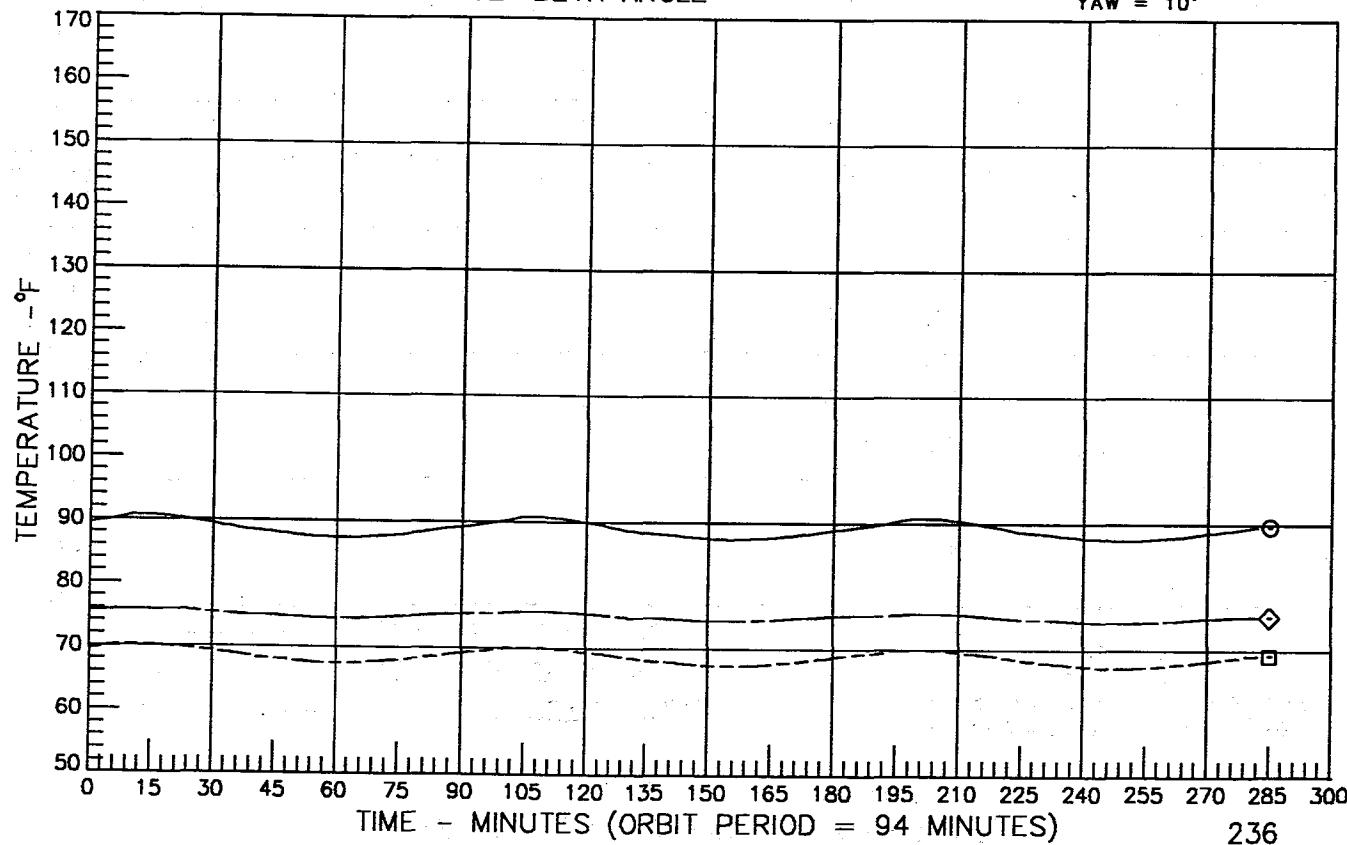
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH END STRUCTURE

○— 200 +52° BETA ANGLE  
□— 200 0° BETA ANGLE  
◊— 200 -52° BETA ANGLE

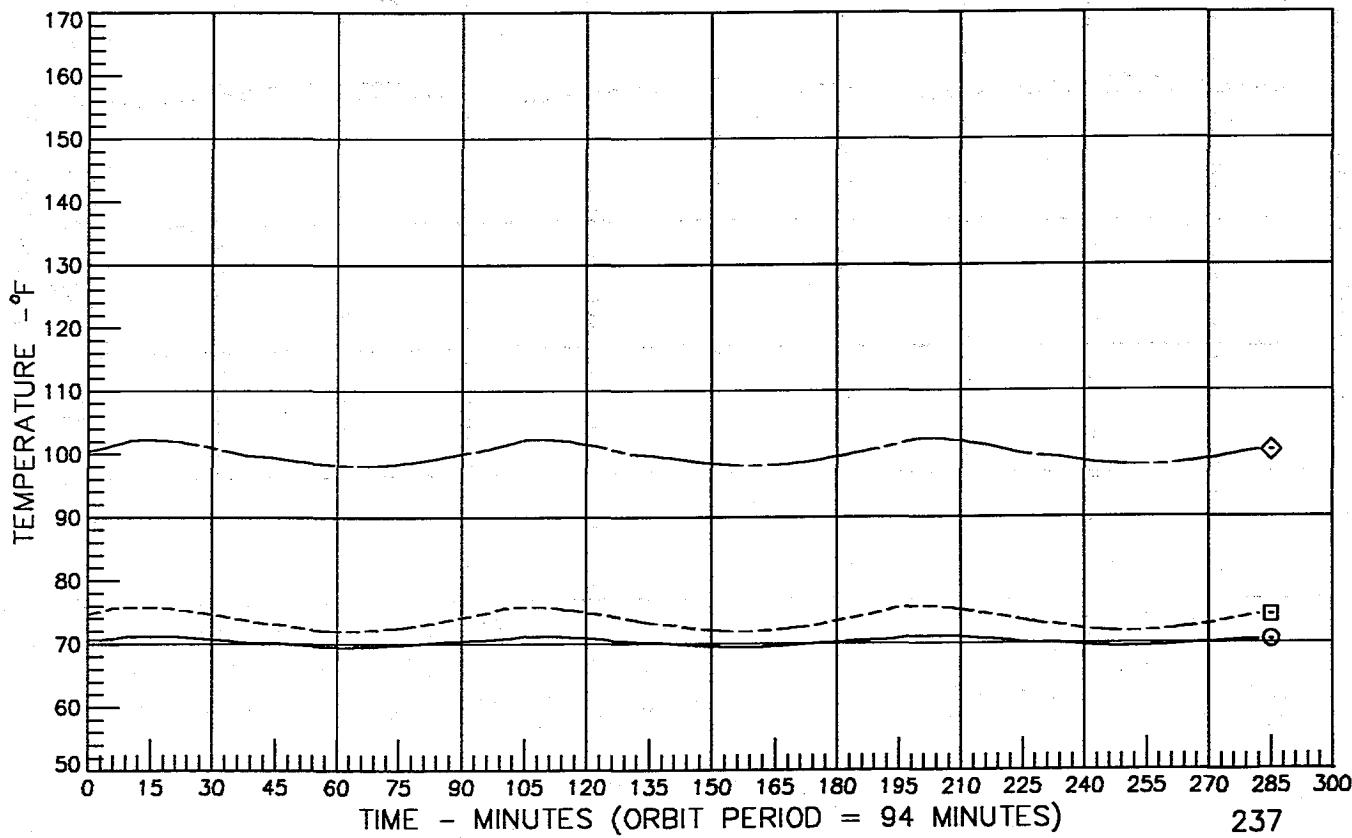
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH END STRUCTURE

○——— 201 +52° BETA ANGLE  
□----- 201 0° BETA ANGLE  
◊----- 201 -52° BETA ANGLE

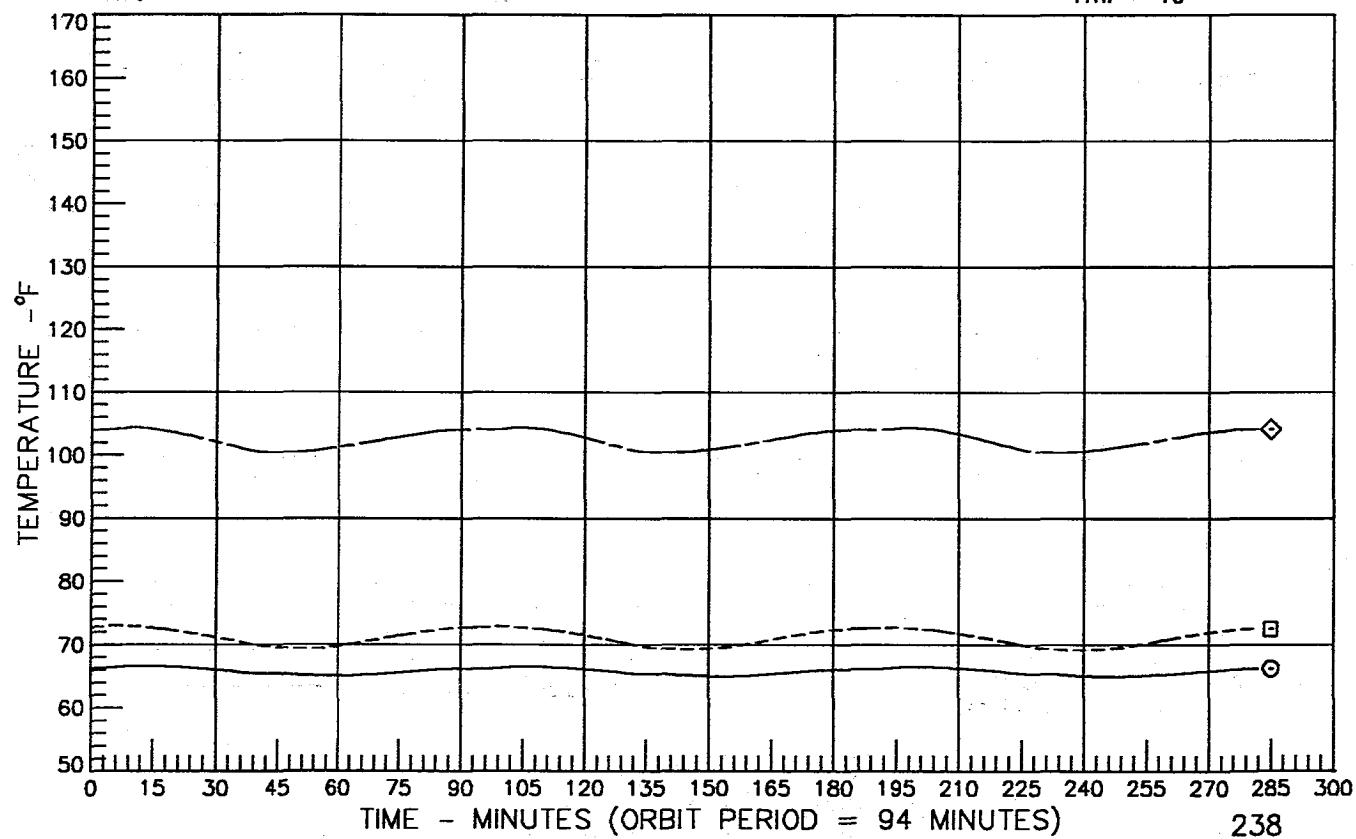
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH END STRUCTURE

○——— 202 +52° BETA ANGLE  
□----- 202 0° BETA ANGLE  
◊----- 202 -52° BETA ANGLE

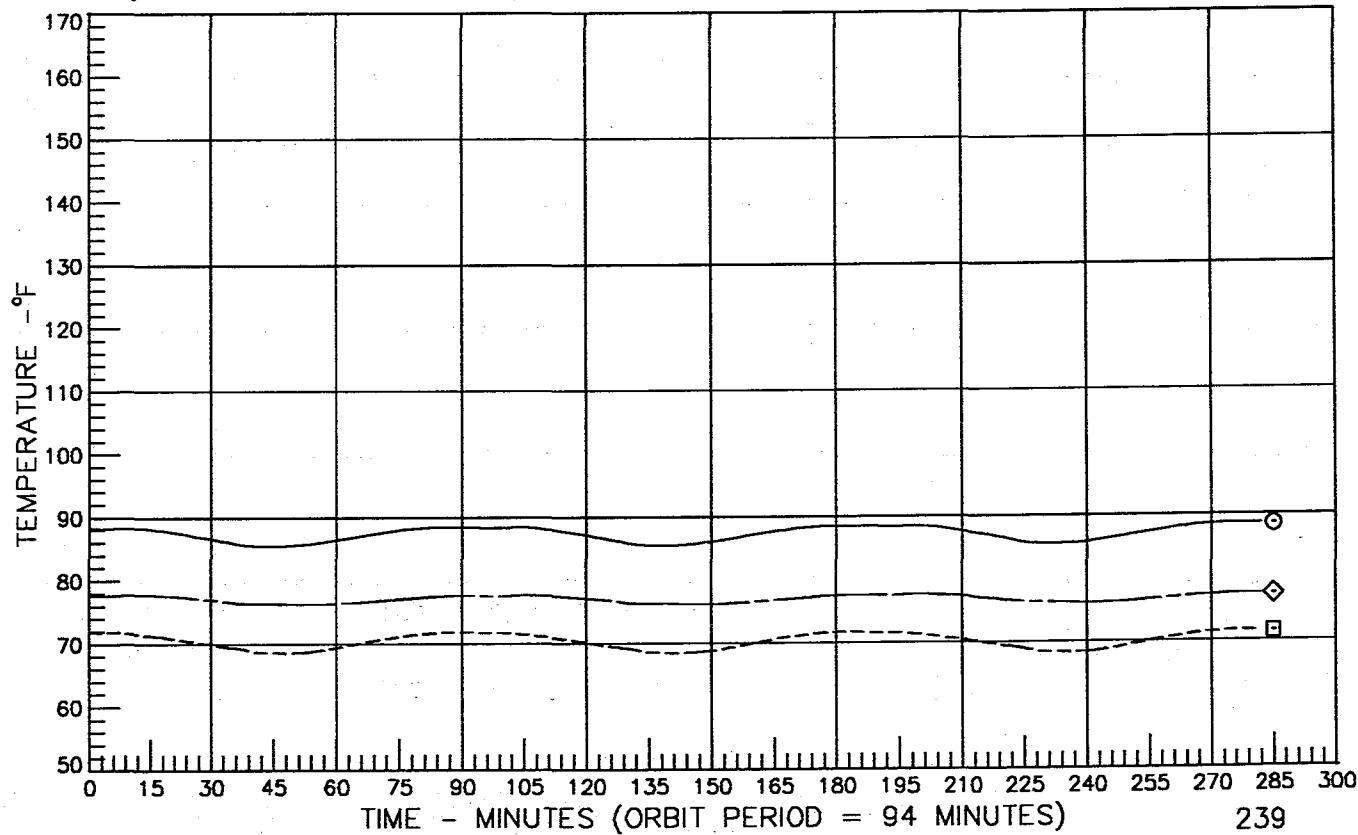
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH END STRUCTURE

○——— 203 +52° BETA ANGLE  
□----- 203 0° BETA ANGLE  
◊----- 203 -52° BETA ANGLE

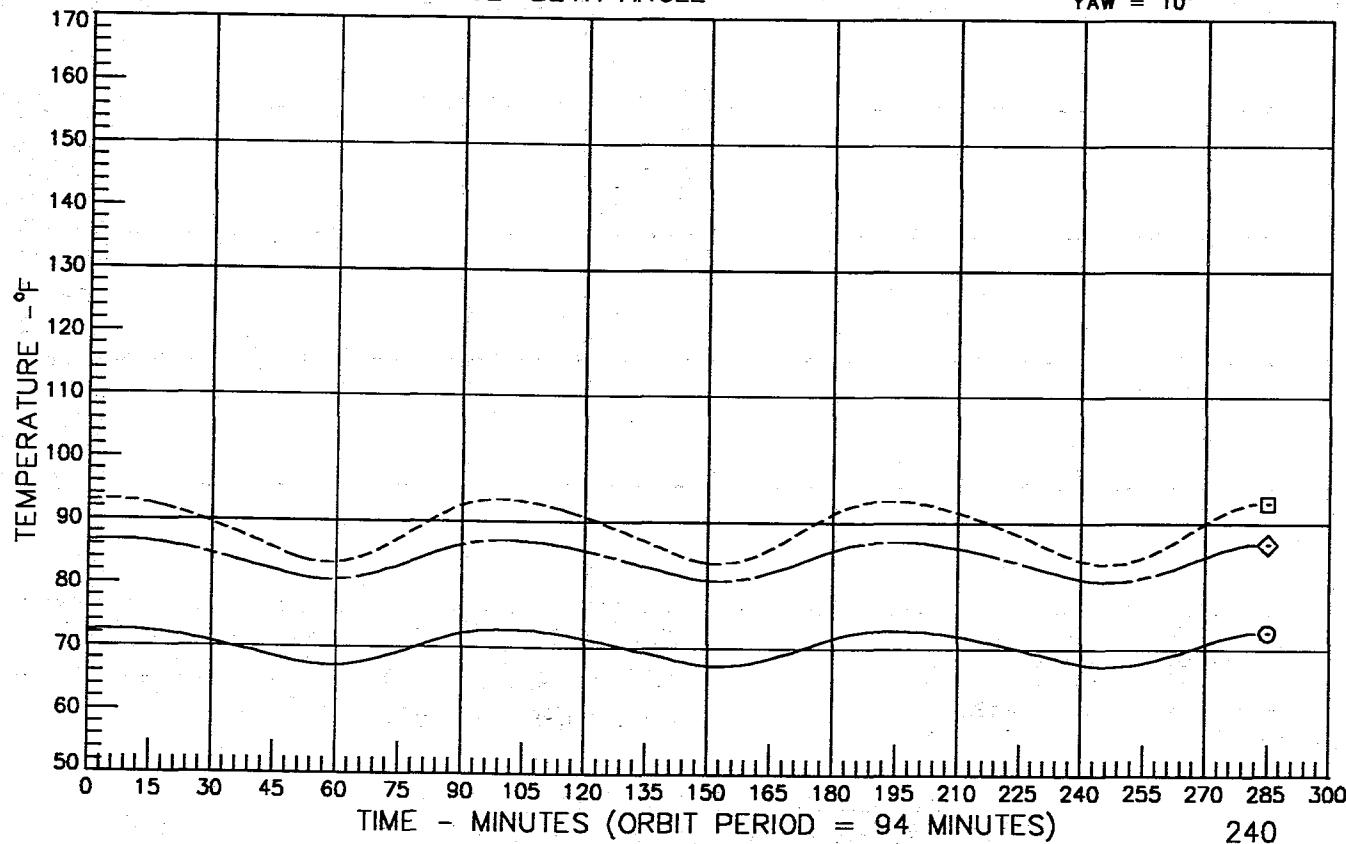
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE END CENTER

○— 208 +52° BETA ANGLE  
□--- 208 0° BETA ANGLE  
◊— 208 -52° BETA ANGLE

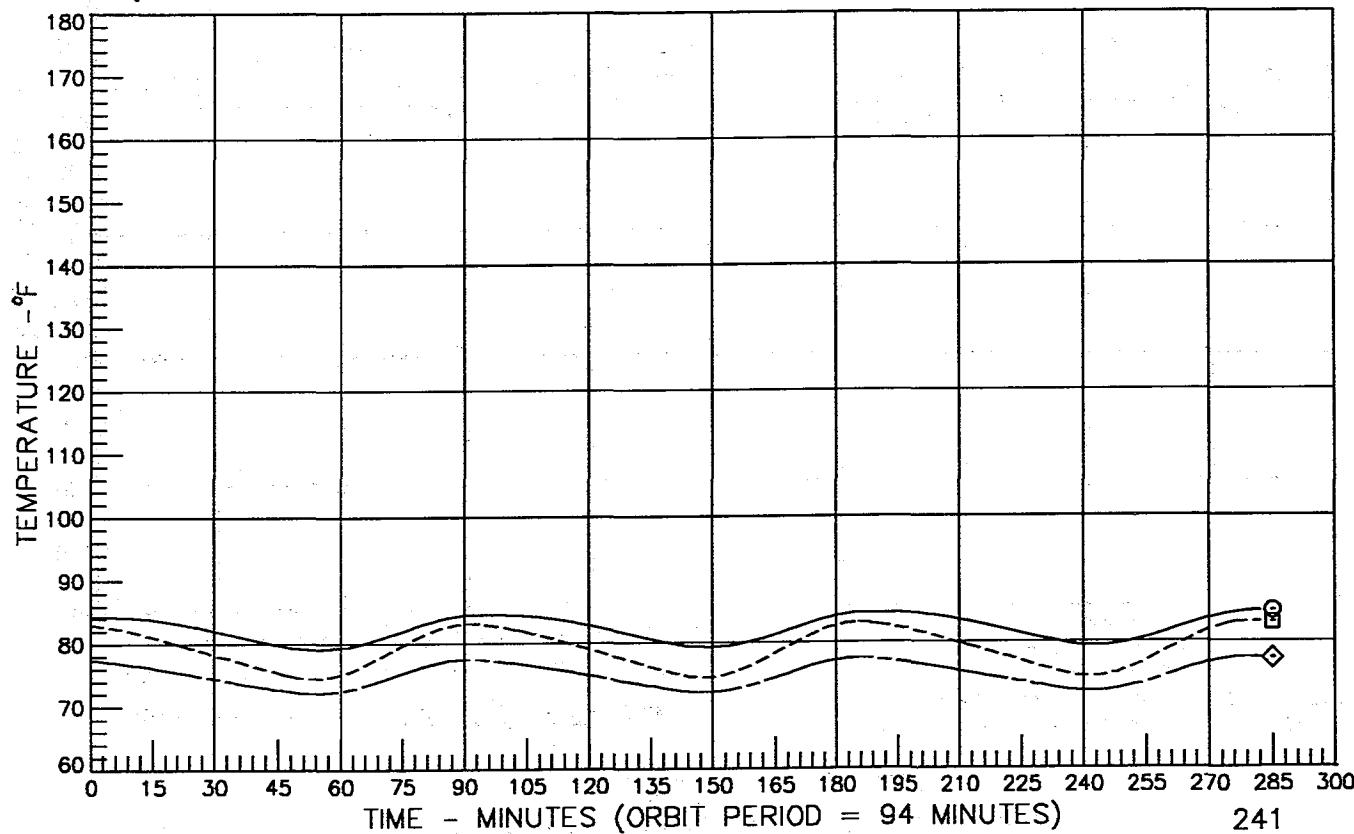
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



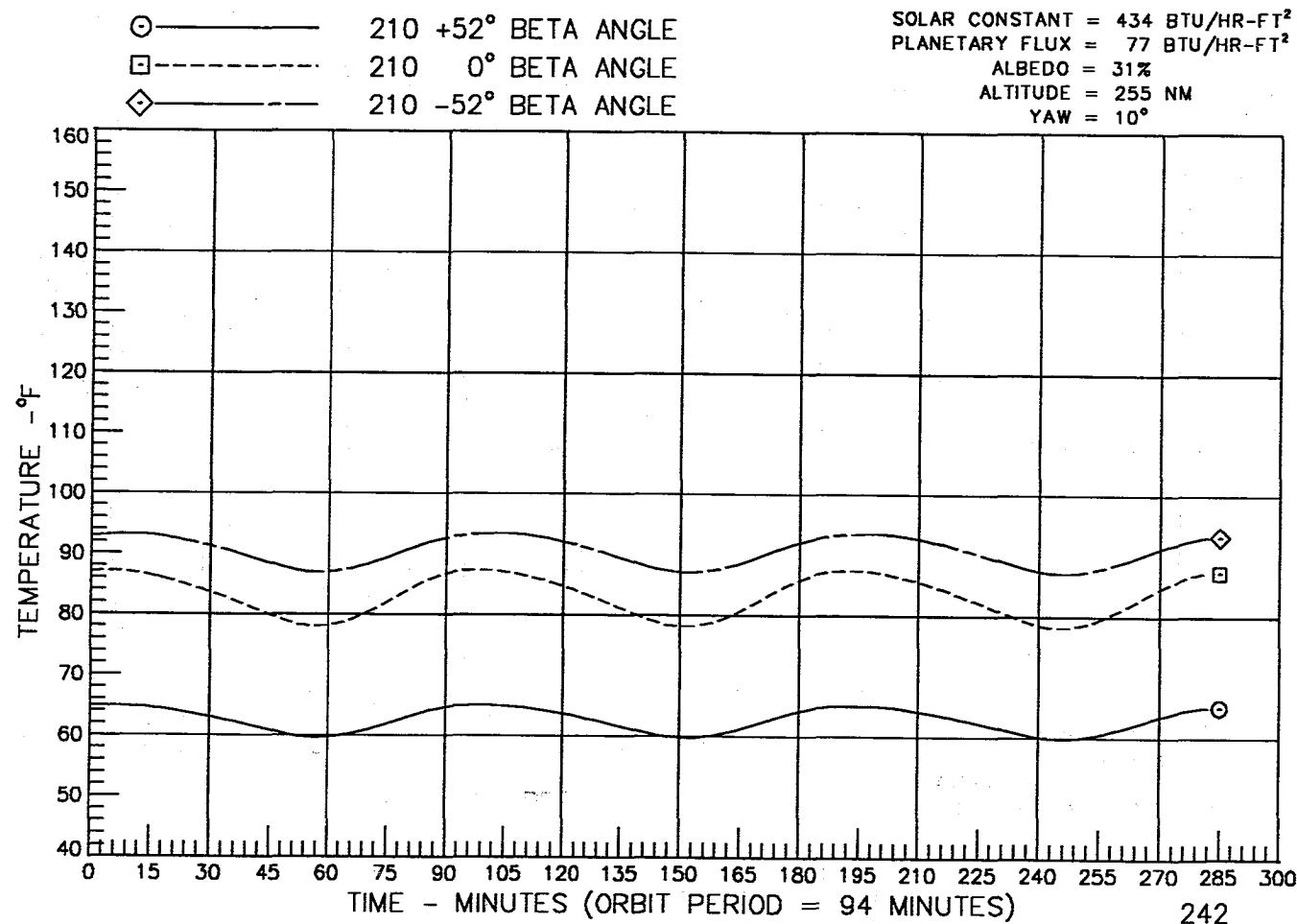
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE END STRUCTURE

○——— 209 +52° BETA ANGLE  
□----- 209 0° BETA ANGLE  
◊----- 209 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



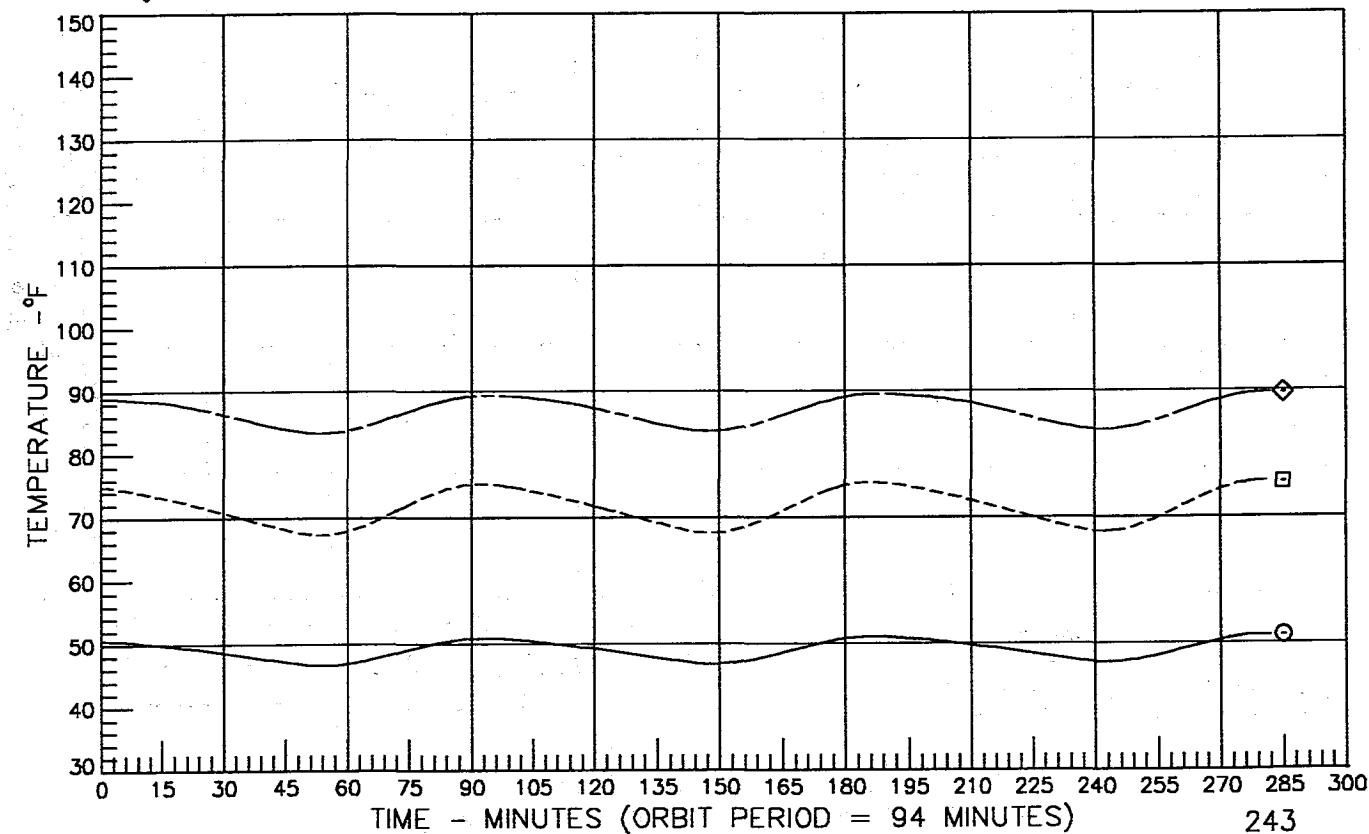
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE END STRUCTURE



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE END STRUCTURE

○——— 211 +52° BETA ANGLE  
□----- 211 0° BETA ANGLE  
◇----- 211 -52° BETA ANGLE

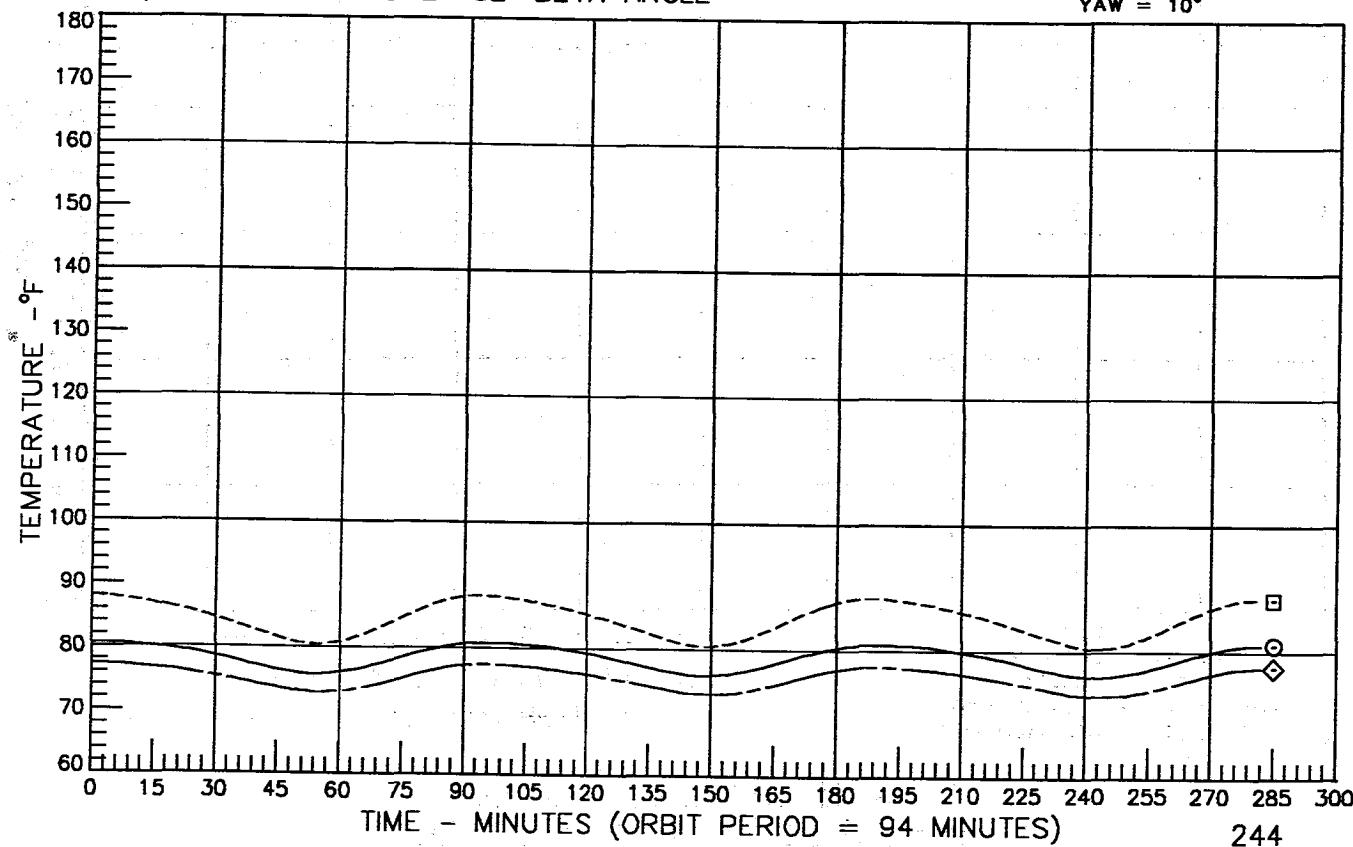
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
 TRANSIENT ORBITAL TEMPERATURES  
 SPACE END STRUCTURE

○ ————— 212 +52° BETA ANGLE  
 □ ----- 212 0° BETA ANGLE  
 ◇ ----- 212 -52° BETA ANGLE

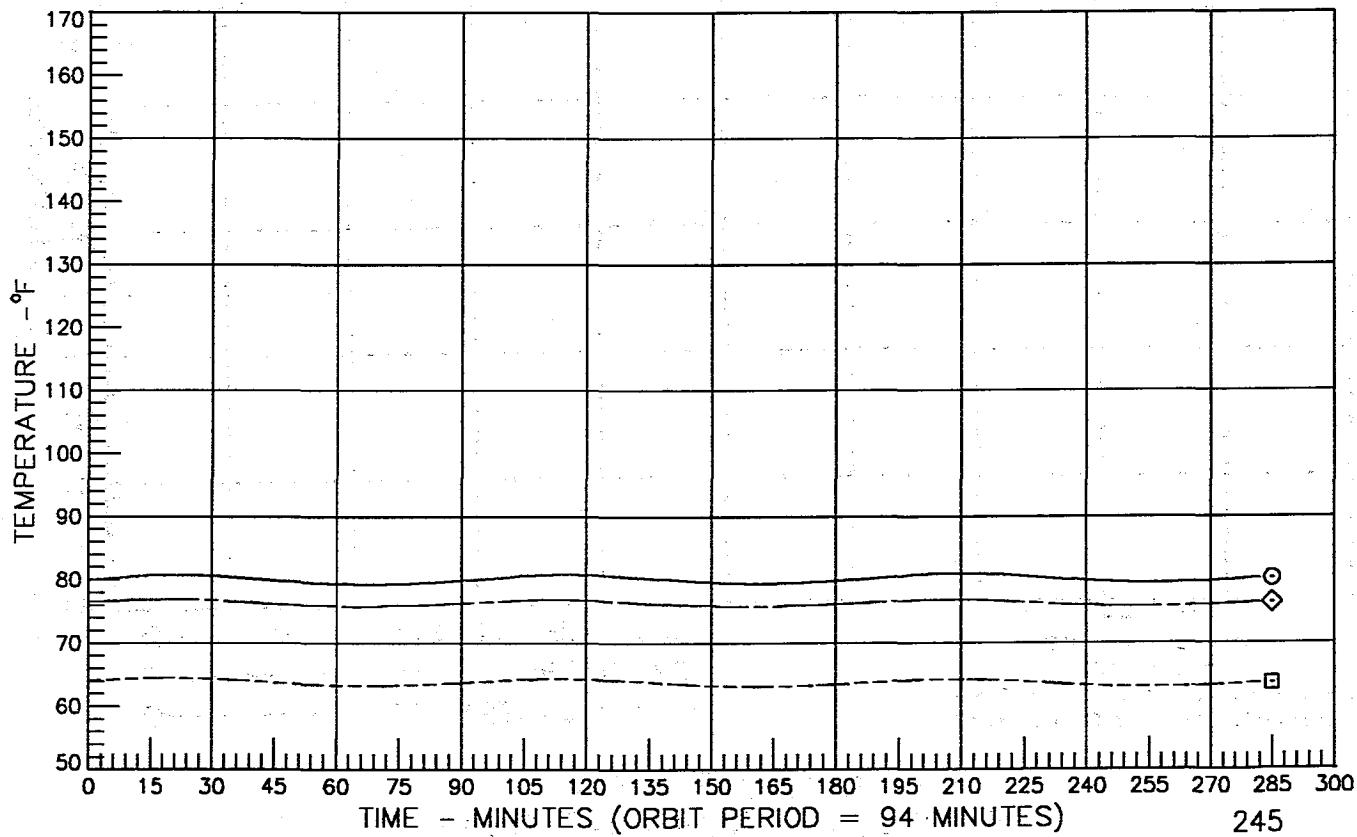
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
 PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
 ALBEDO = 31%  
 ALTITUDE = 255 NM  
 YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
CENTER STRUCTURE INTERIOR

○——— 217 +52° BETA ANGLE  
□----- 217 0° BETA ANGLE  
◇----- 217 -52° BETA ANGLE

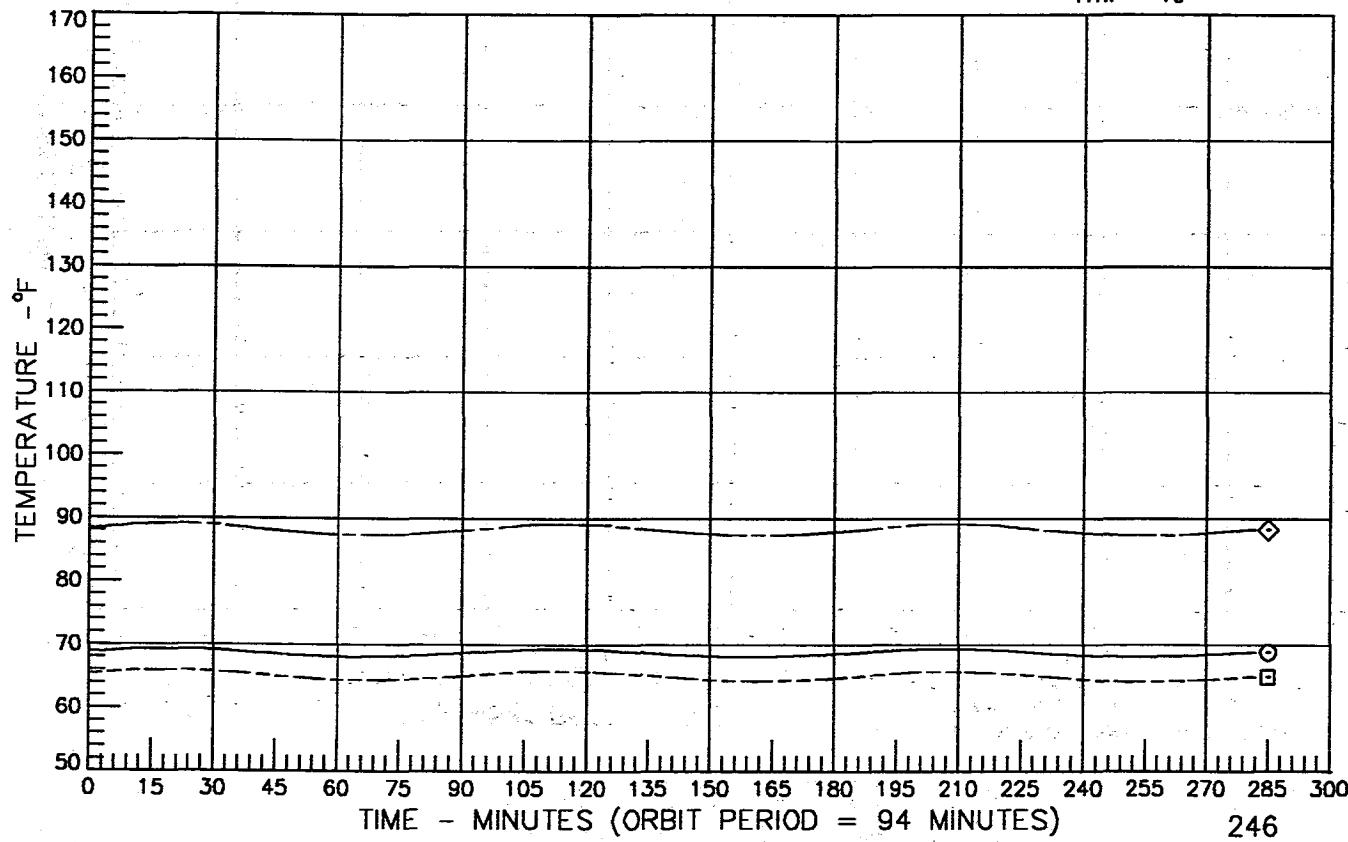
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
CENTER STRUCTURE INTERIOR

- 218 +52° BETA ANGLE
- 218 0° BETA ANGLE
- ◊— 218 -52° BETA ANGLE

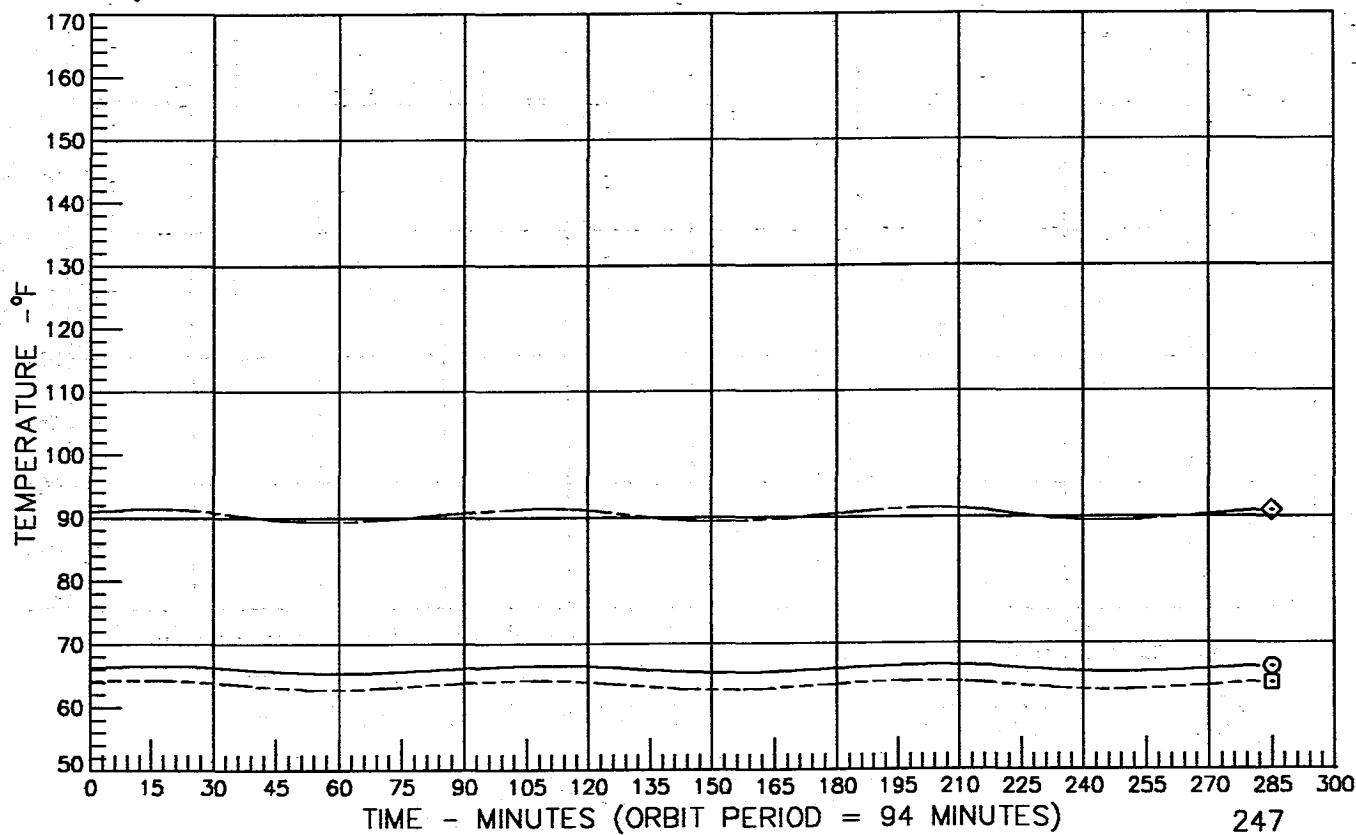
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
CENTER STRUCTURE INTERIOR

○——— 219 +52° BETA ANGLE  
□----- 219 0° BETA ANGLE  
◇----- 219 -52° BETA ANGLE

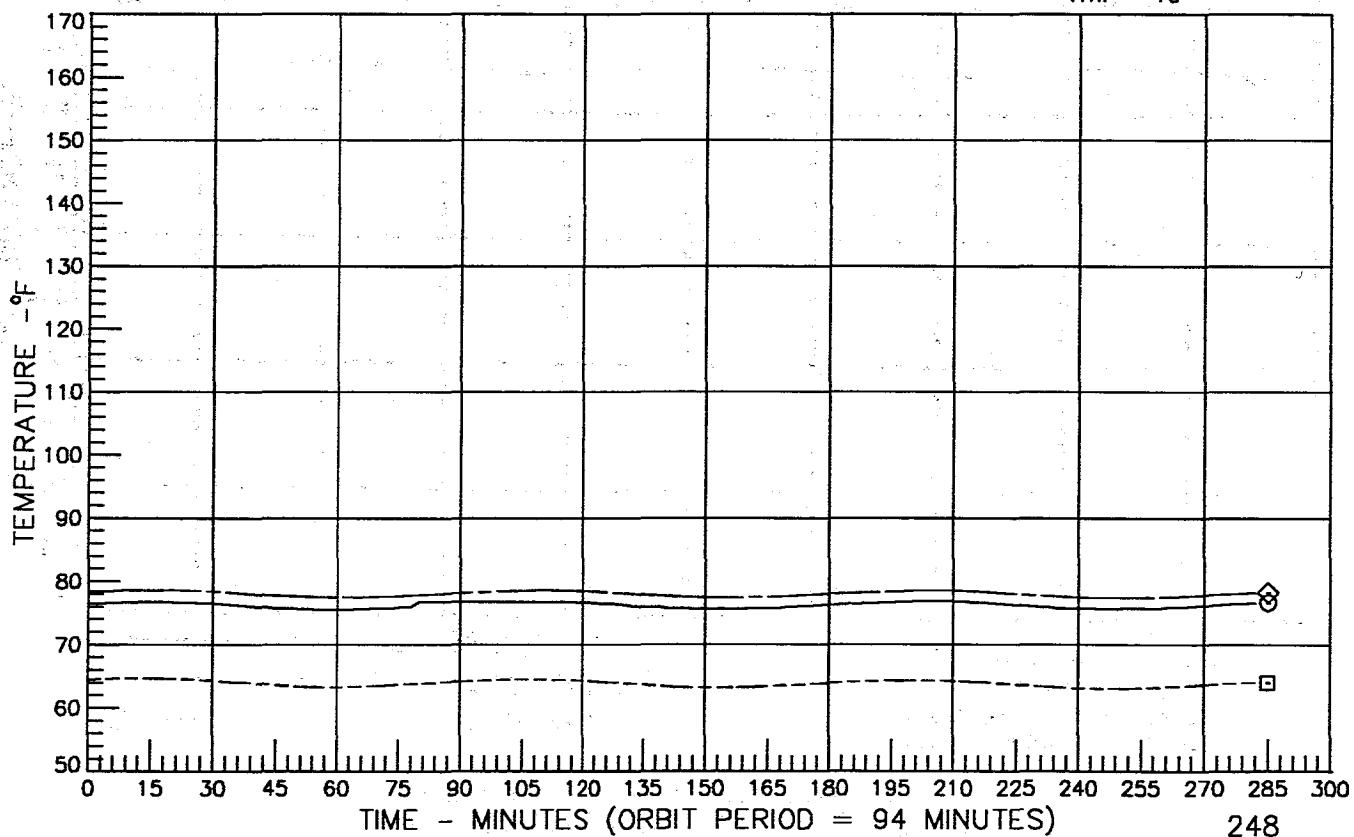
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM.  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
CENTER STRUCTURE INTERIOR

○ ————— 220 +52° BETA ANGLE  
□ ----- 220 0° BETA ANGLE  
◇ ----- 220 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
CENTER STRUCTURE AVERAGE( 217-220)

○----- +52° BETA ANGLE

□----- 0° BETA ANGLE

◇----- -52° BETA ANGLE

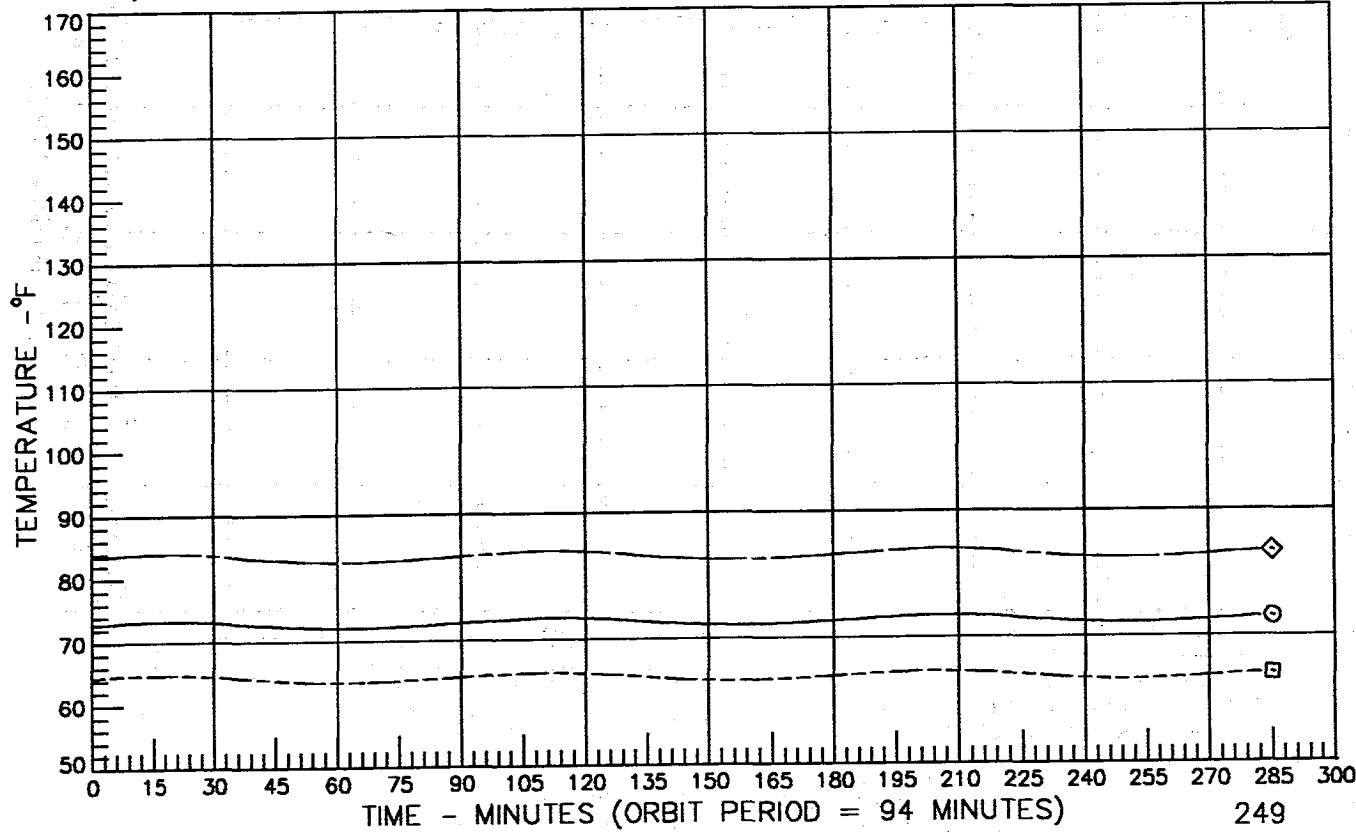
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

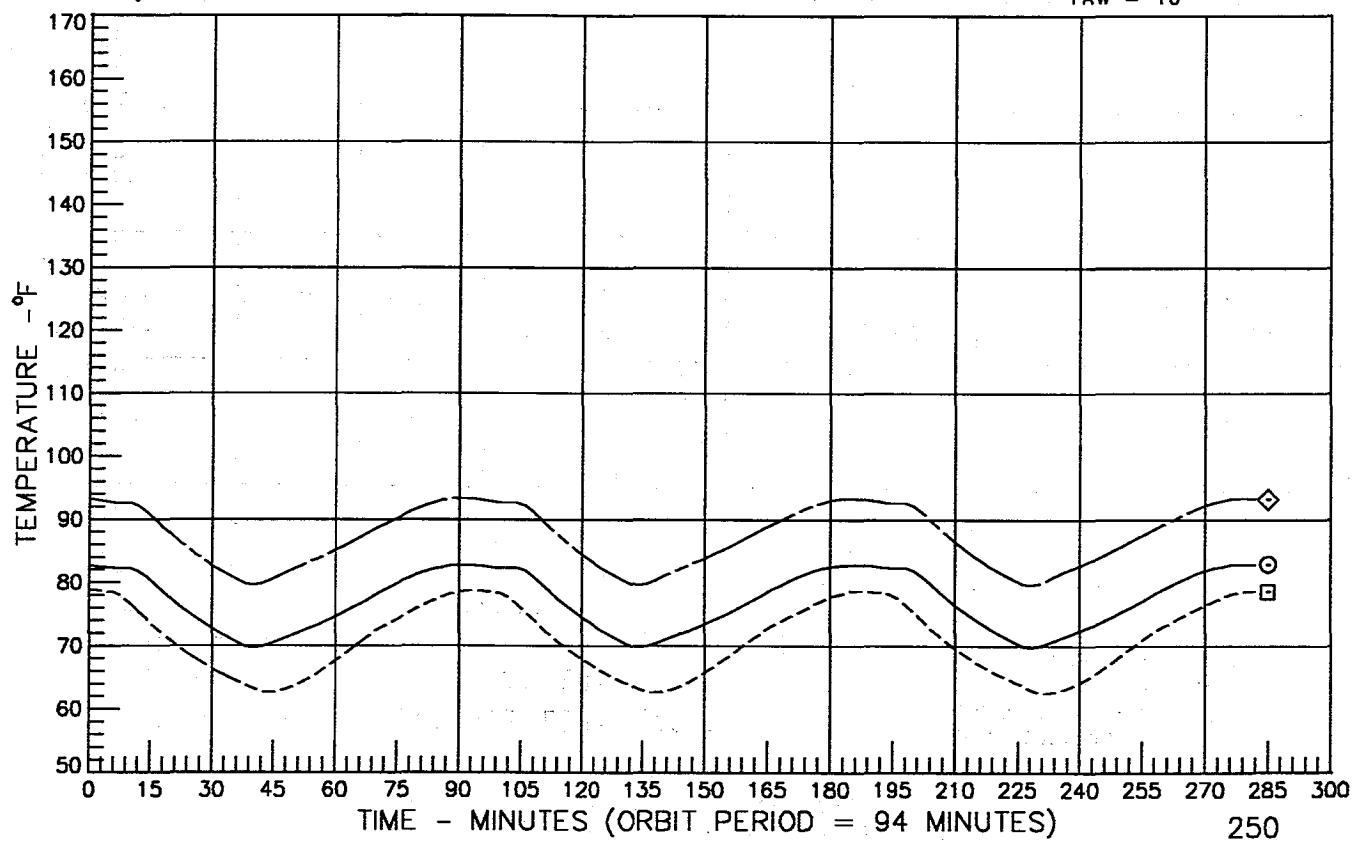
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
DUMMY NODE

○ ————— 233 +52° BETA ANGLE  
□ ----- 233 0° BETA ANGLE  
◊ ————— 233 -52° BETA ANGLE

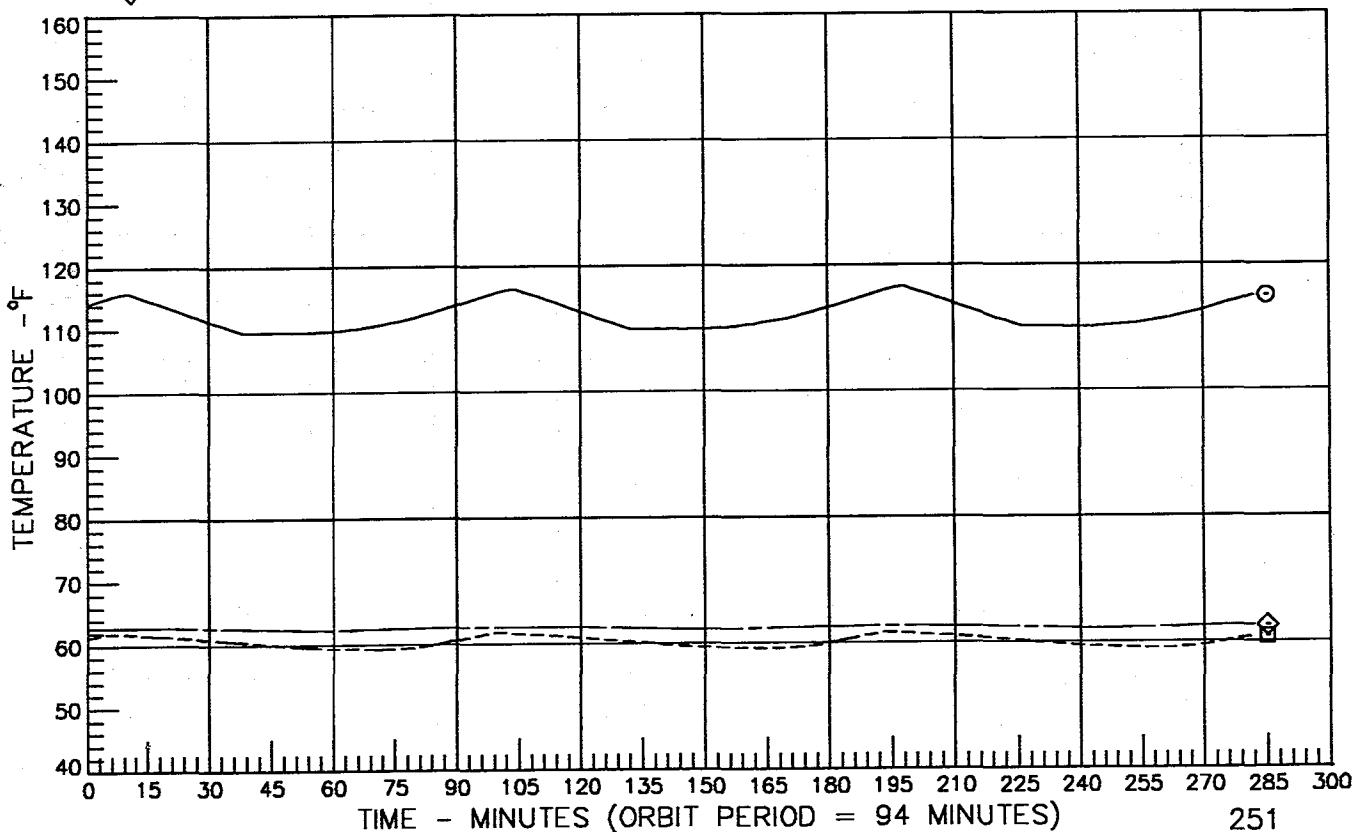
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
CENTER RING ROW 1

○ ————— 221 +52° BETA ANGLE  
□ ----- 221 0° BETA ANGLE  
◊ ----- 221 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
CENTER RING ROW 2

○-----

222 +52° BETA ANGLE

□-----

222 0° BETA ANGLE

◇-----

222 -52° BETA ANGLE

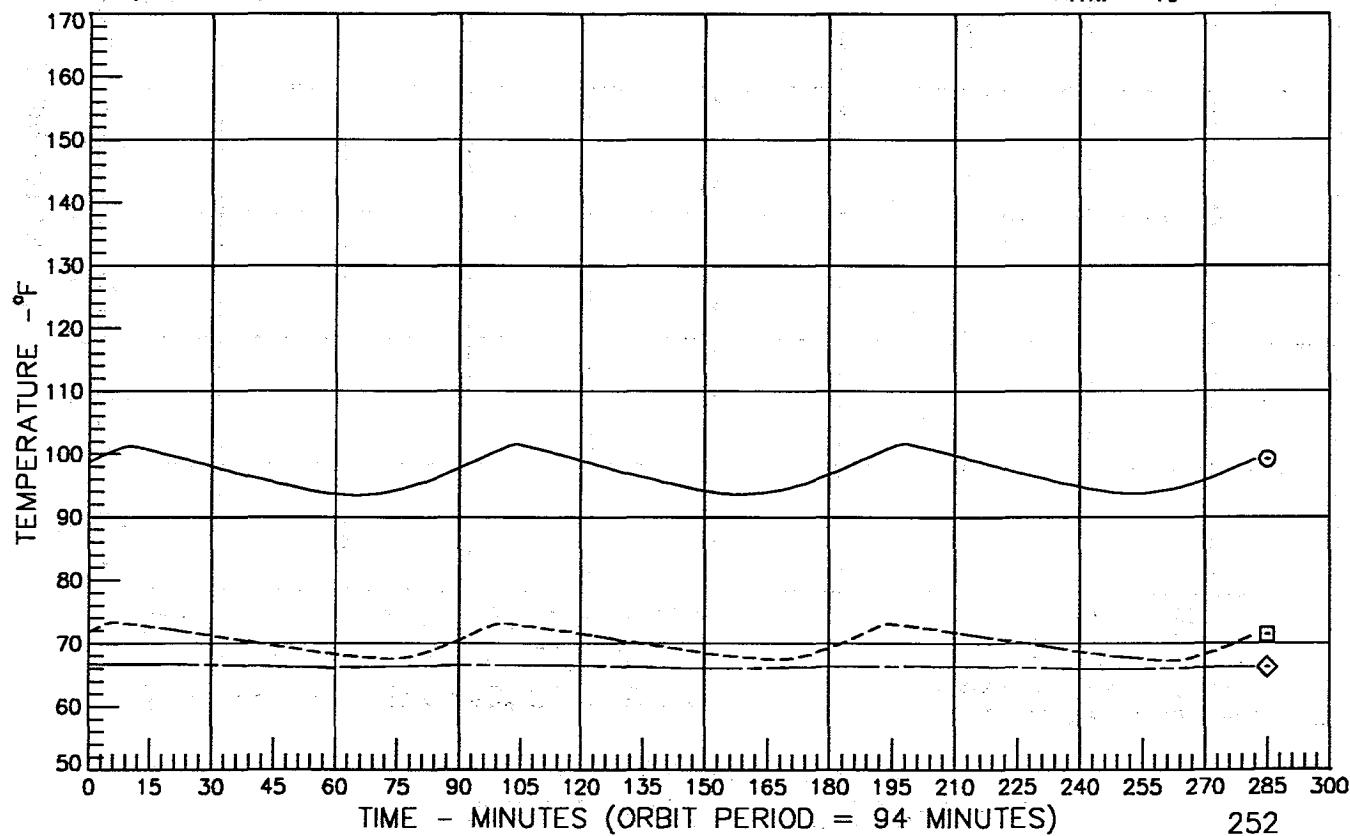
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

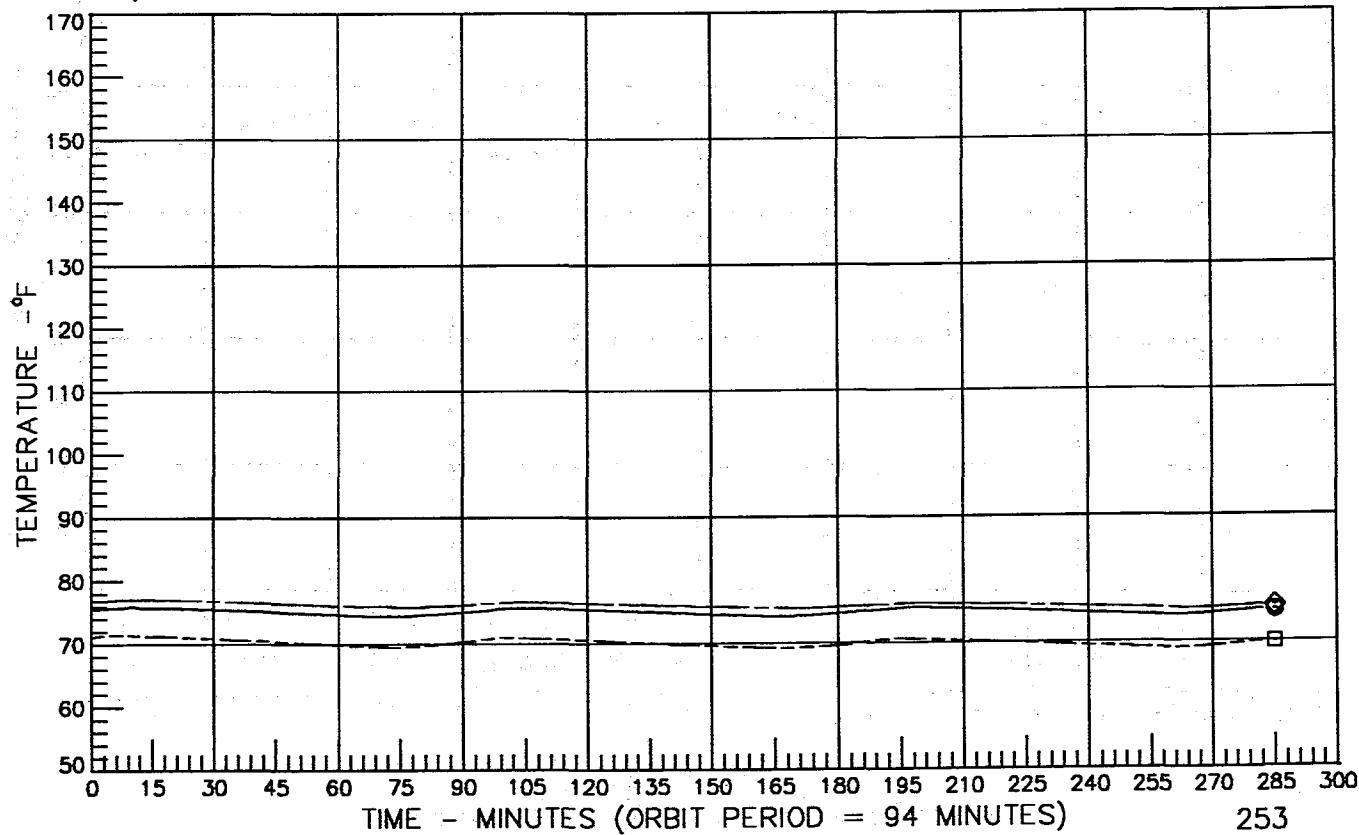
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
CENTER RING ROW 3

○ ————— 223 +52° BETA ANGLE  
□ ----- 223 0° BETA ANGLE  
◊ ----- 223 -52° BETA ANGLE

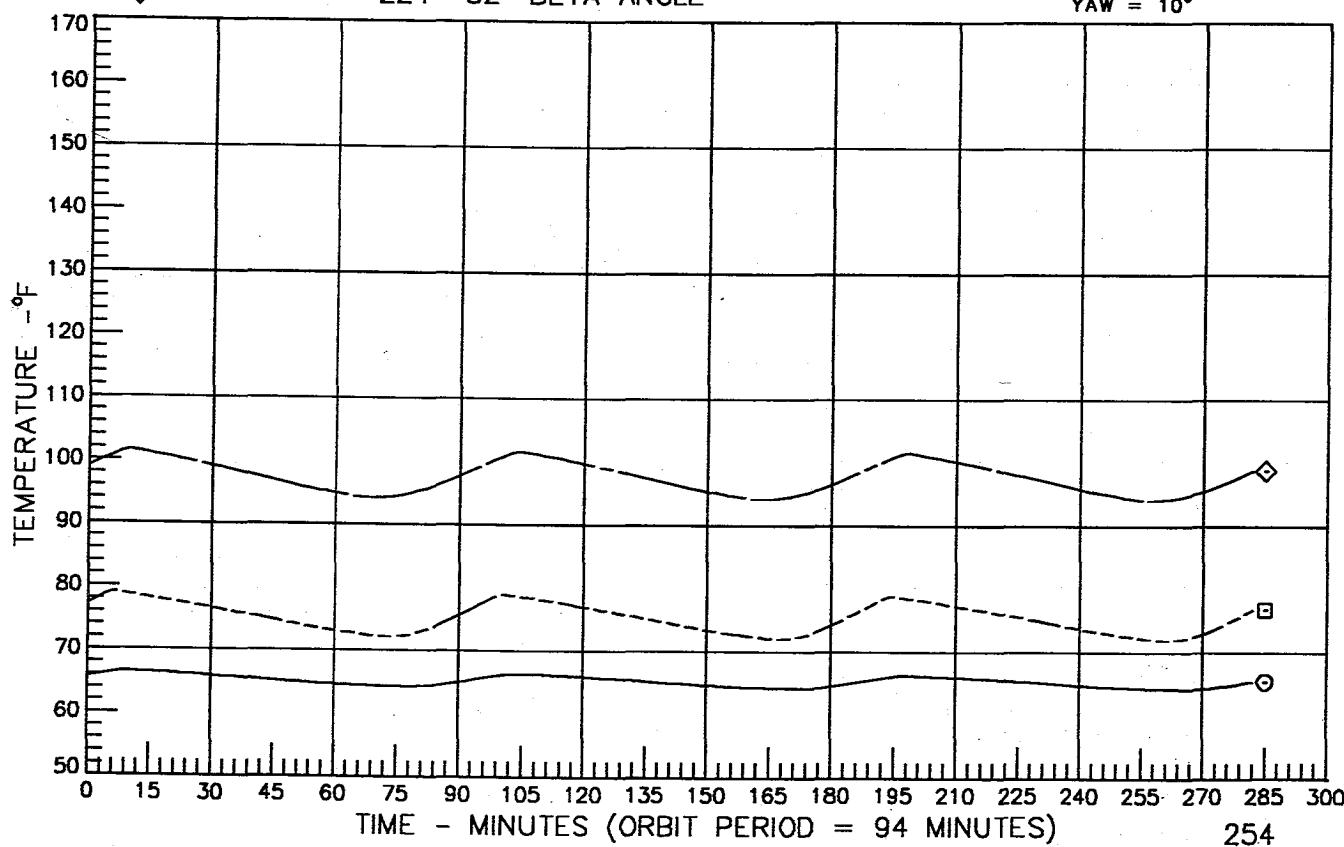
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
CENTER RING ROW 4

○ ————— 224 +52° BETA ANGLE  
□ ----- 224 0° BETA ANGLE  
◊ ----- 224 -52° BETA ANGLE

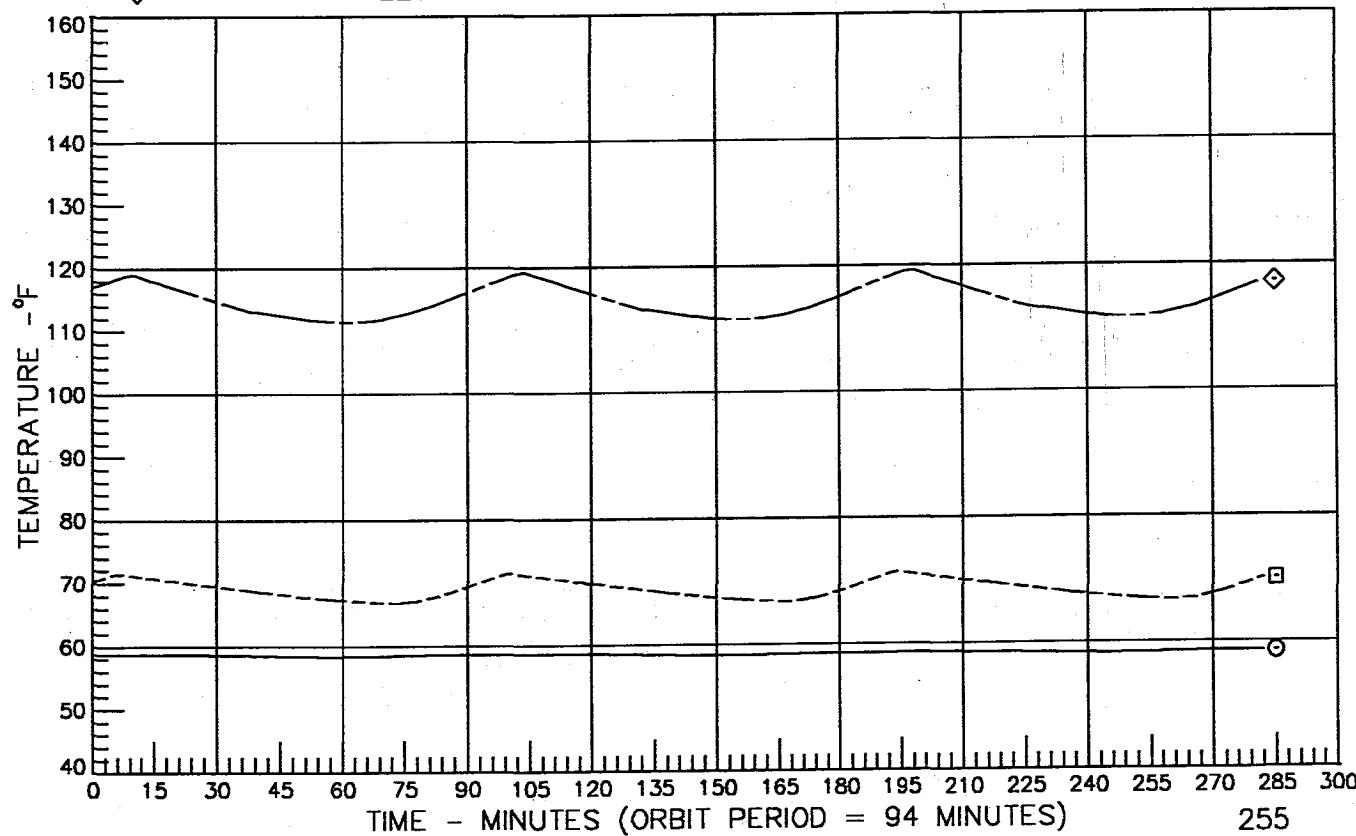
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
CENTER RING ROW 5

○ ————— 225 +52° BETA ANGLE  
□ - - - - - 225 0° BETA ANGLE  
◊ - - - - - 225 -52° BETA ANGLE

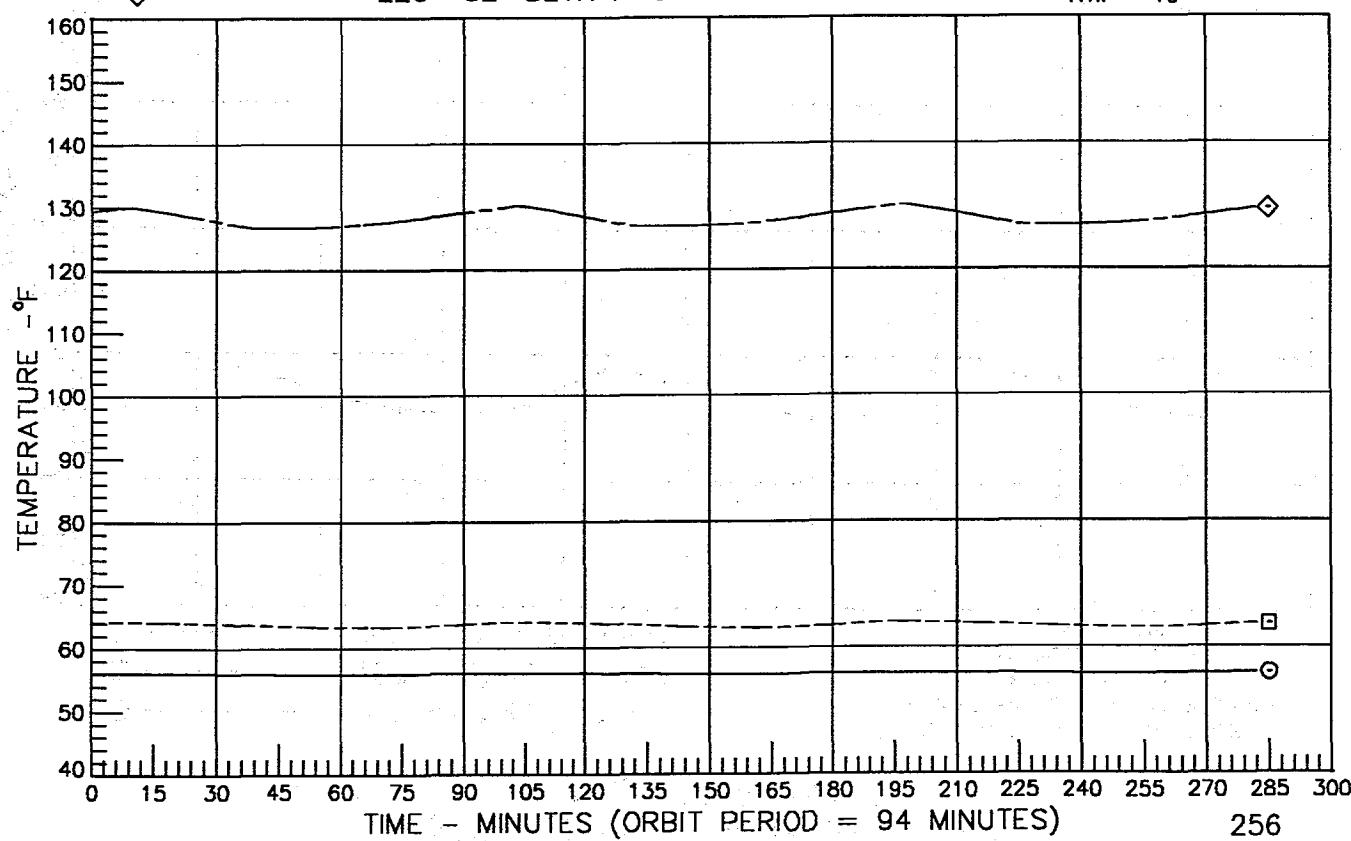
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
CENTER RING ROW 6

○——— 226 +52° BETA ANGLE  
□----- 226 0° BETA ANGLE  
◊----- 226 -52° BETA ANGLE

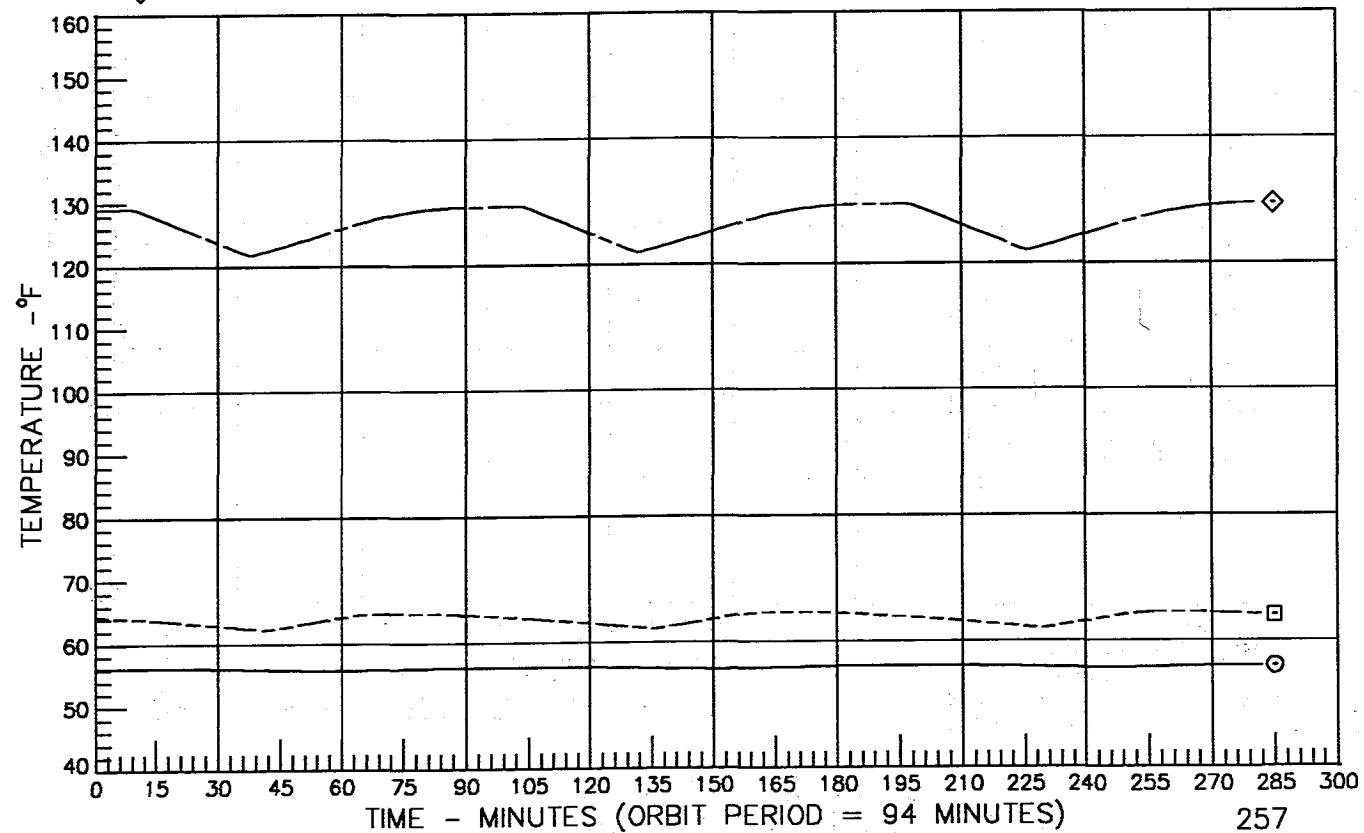
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
CENTER RING ROW 7

○——— 227 +52° BETA ANGLE  
□----- 227 0° BETA ANGLE  
◊----- 227 -52° BETA ANGLE

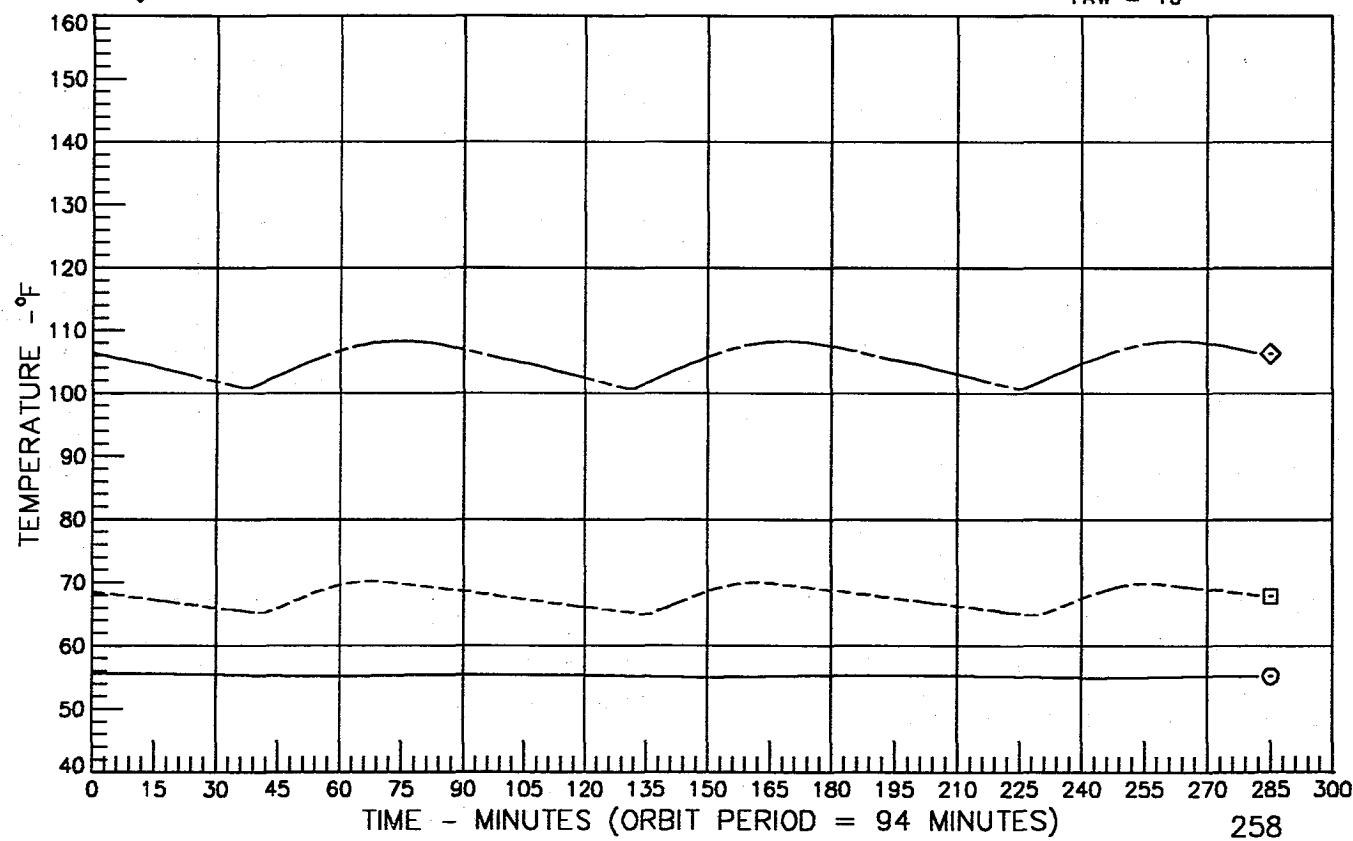
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
CENTER RING ROW 8

○——— 228 +52° BETA ANGLE  
□----- 228 0° BETA ANGLE  
◊----- 228 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
CENTER RING ROW 9

○----- 229 +52° BETA ANGLE

□----- 229 0° BETA ANGLE

◊----- 229 -52° BETA ANGLE

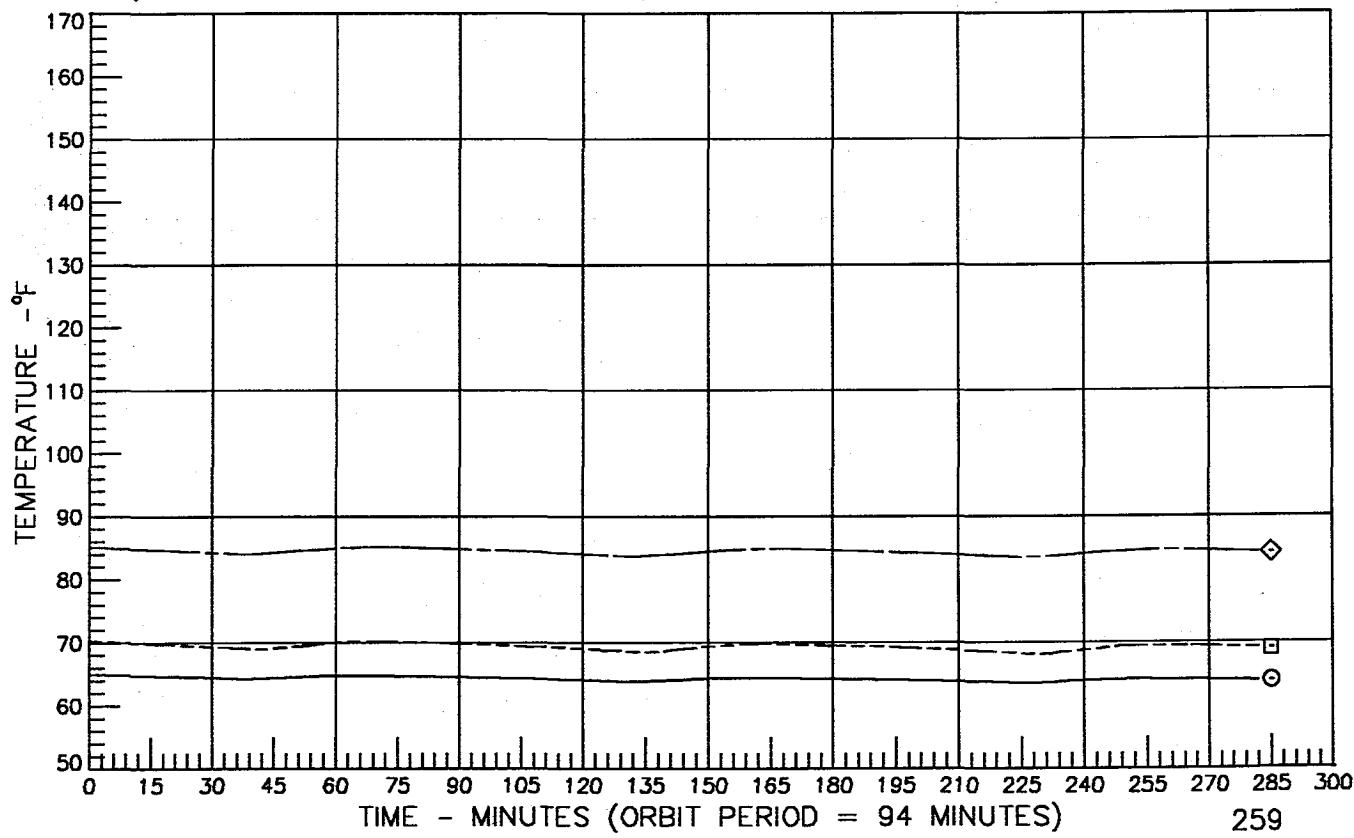
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

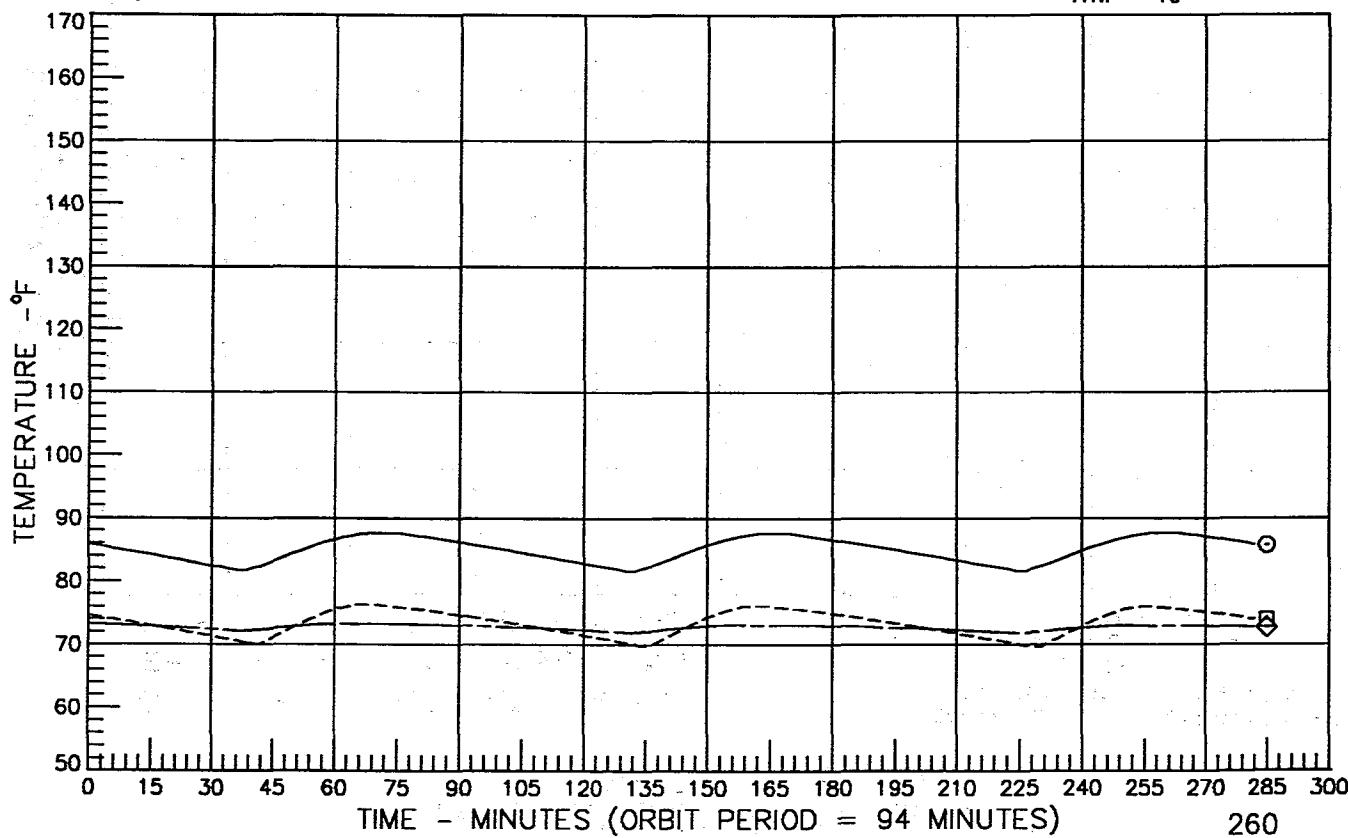
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
CENTER RING ROW 10

○ ————— 230 +52° BETA ANGLE  
□ ----- 230 0° BETA ANGLE  
◊ ----- 230 -52° BETA ANGLE

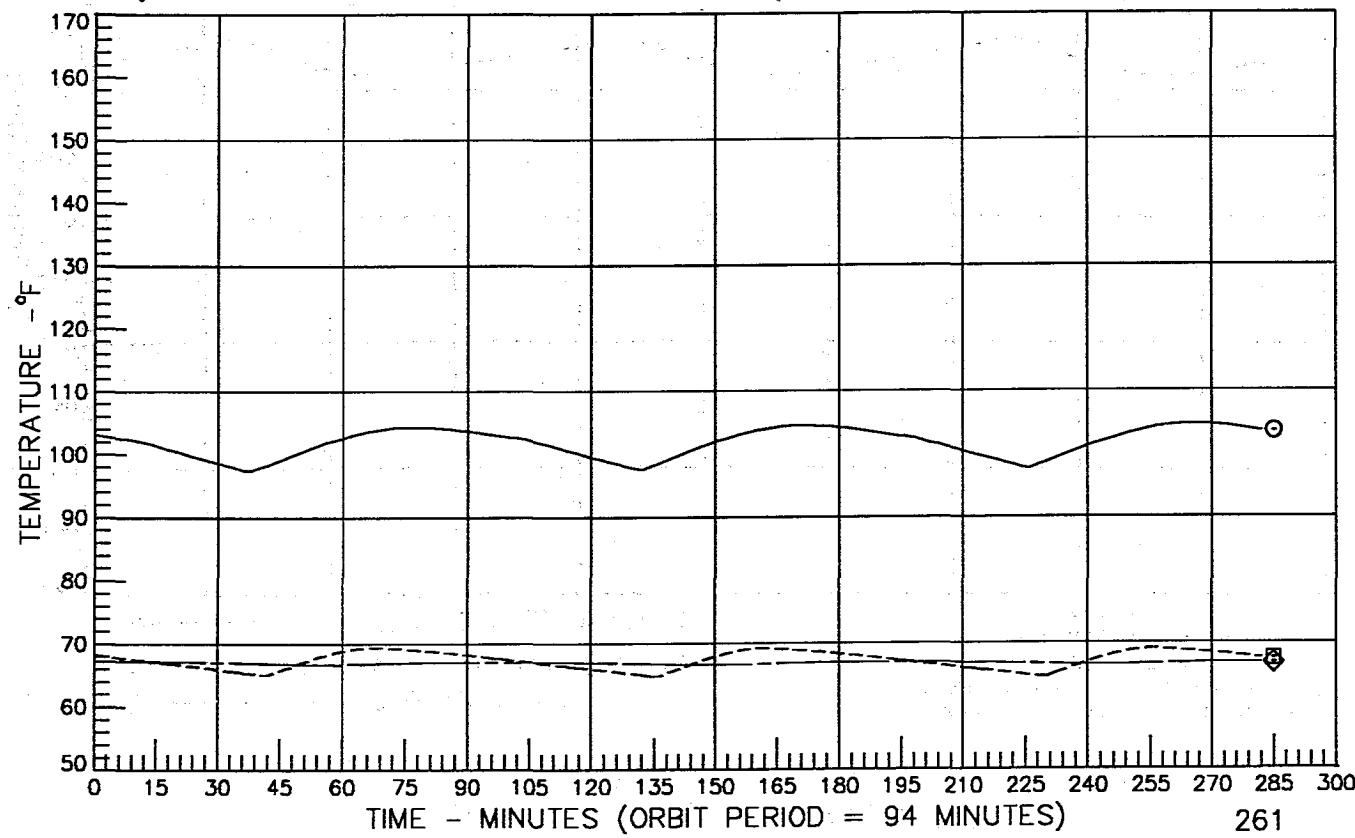
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
CENTER RING ROW 11

- ————— 231 +52° BETA ANGLE
- - - - - - 231 0° BETA ANGLE
- ◊ - - - - - 231 -52° BETA ANGLE

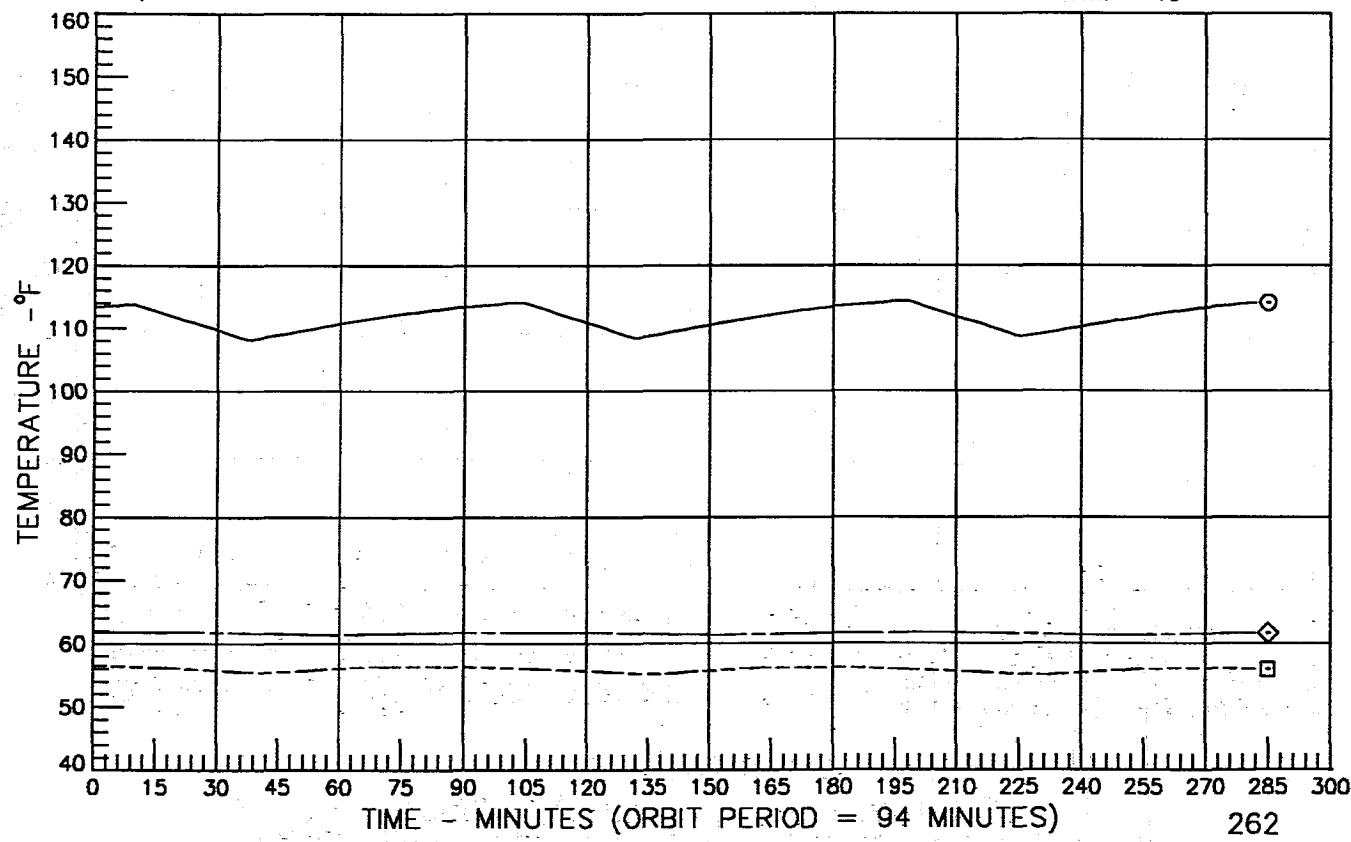
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
CENTER RING ROW 12

○——— 232 +52° BETA ANGLE  
□----- 232 0° BETA ANGLE  
◊----- 232 -52° BETA ANGLE

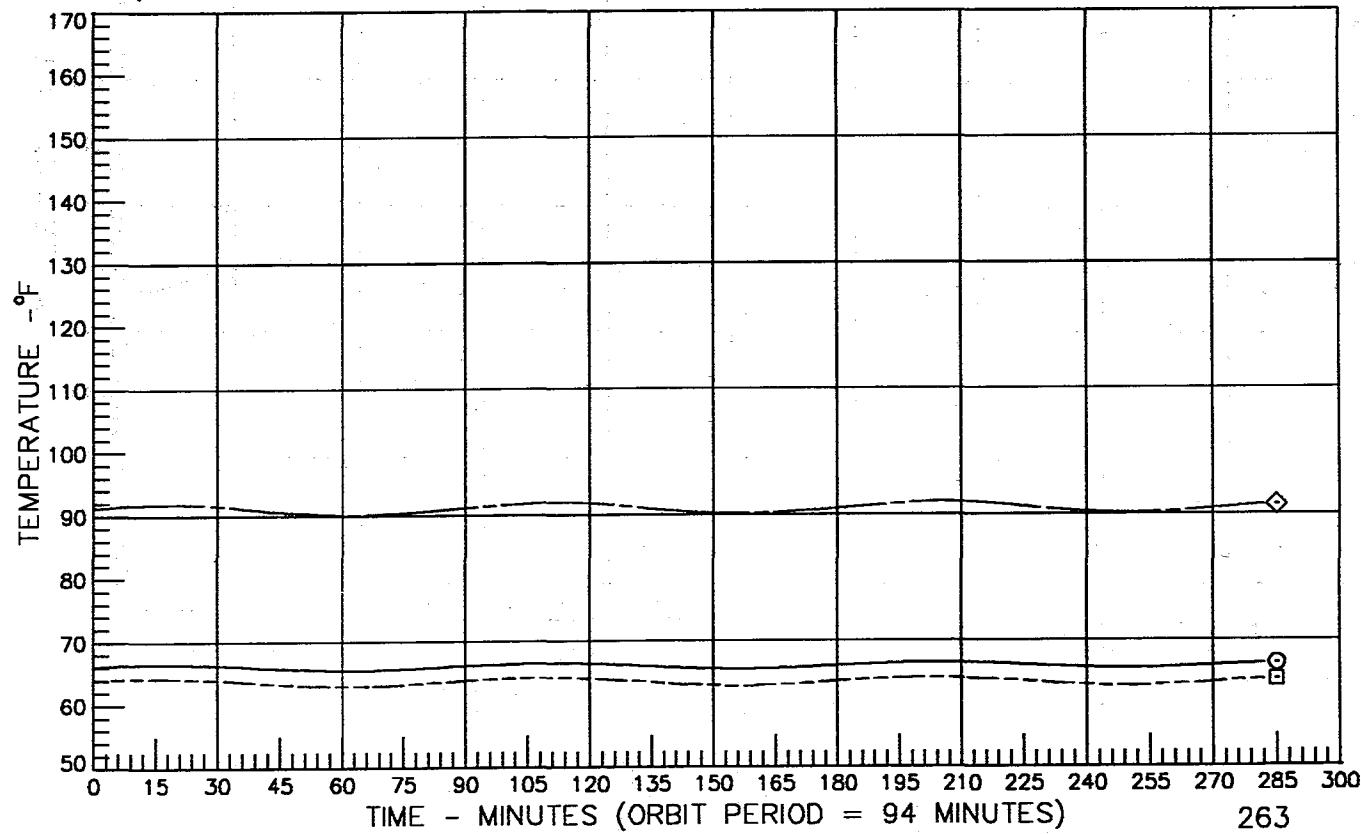
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
INITIATE SYSTEM

○ ————— 237 +52° BETA ANGLE  
□ ----- 237 0° BETA ANGLE  
◊ ----- 237 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH END THERMAL PANEL TRAILING EDGE

○ ----- 204 +52° BETA ANGLE

□ ----- 204 0° BETA ANGLE

◊ ----- 204 -52° BETA ANGLE

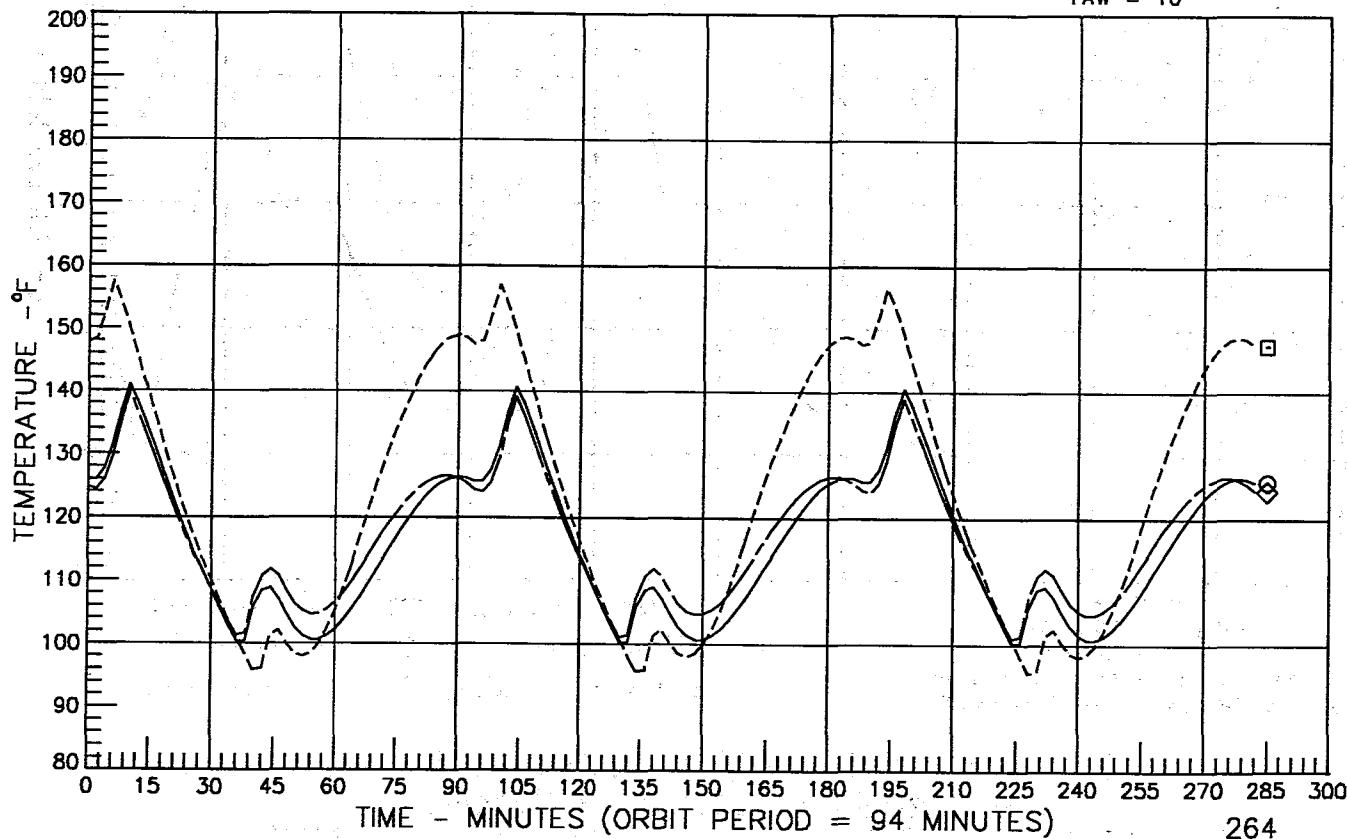
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

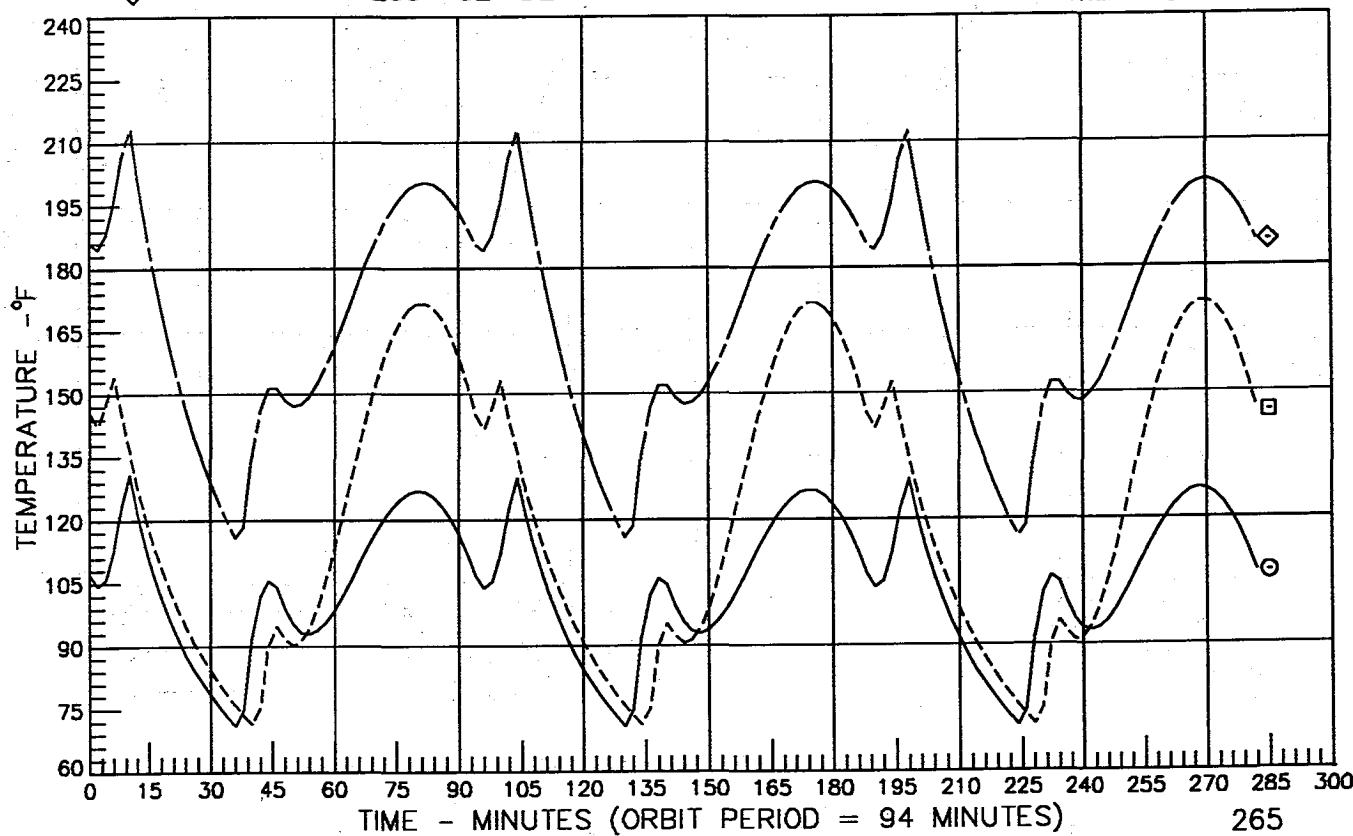
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH END THERMAL PANEL SOUTH EDGE RW 6

○ ————— 205 +52° BETA ANGLE  
□ ----- 205 0° BETA ANGLE  
◇ ----- 205 -52° BETA ANGLE

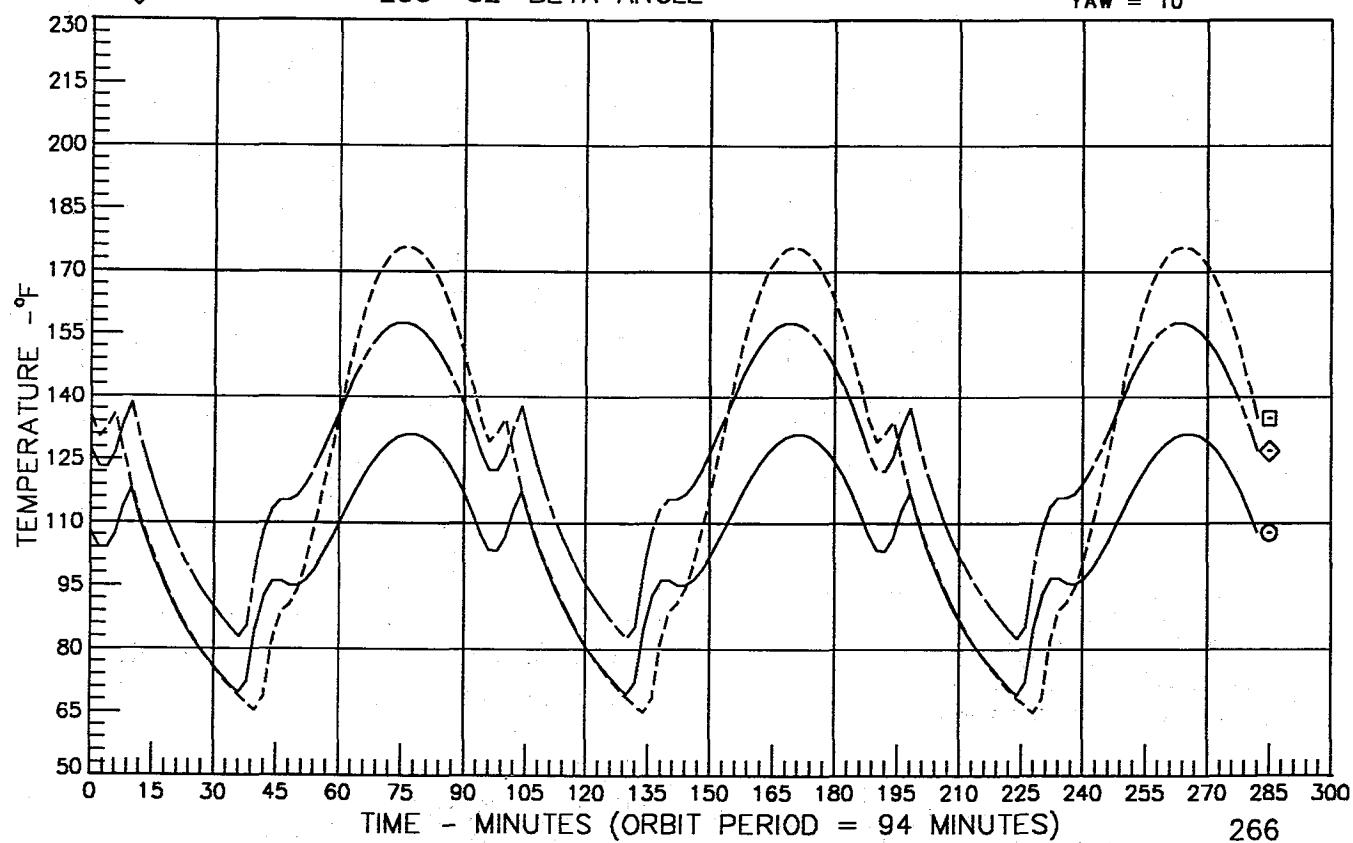
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH END THERMAL PANEL LEADING EDGE

Θ— 206 +52° BETA ANGLE  
□— 206 0° BETA ANGLE  
◇— 206 -52° BETA ANGLE

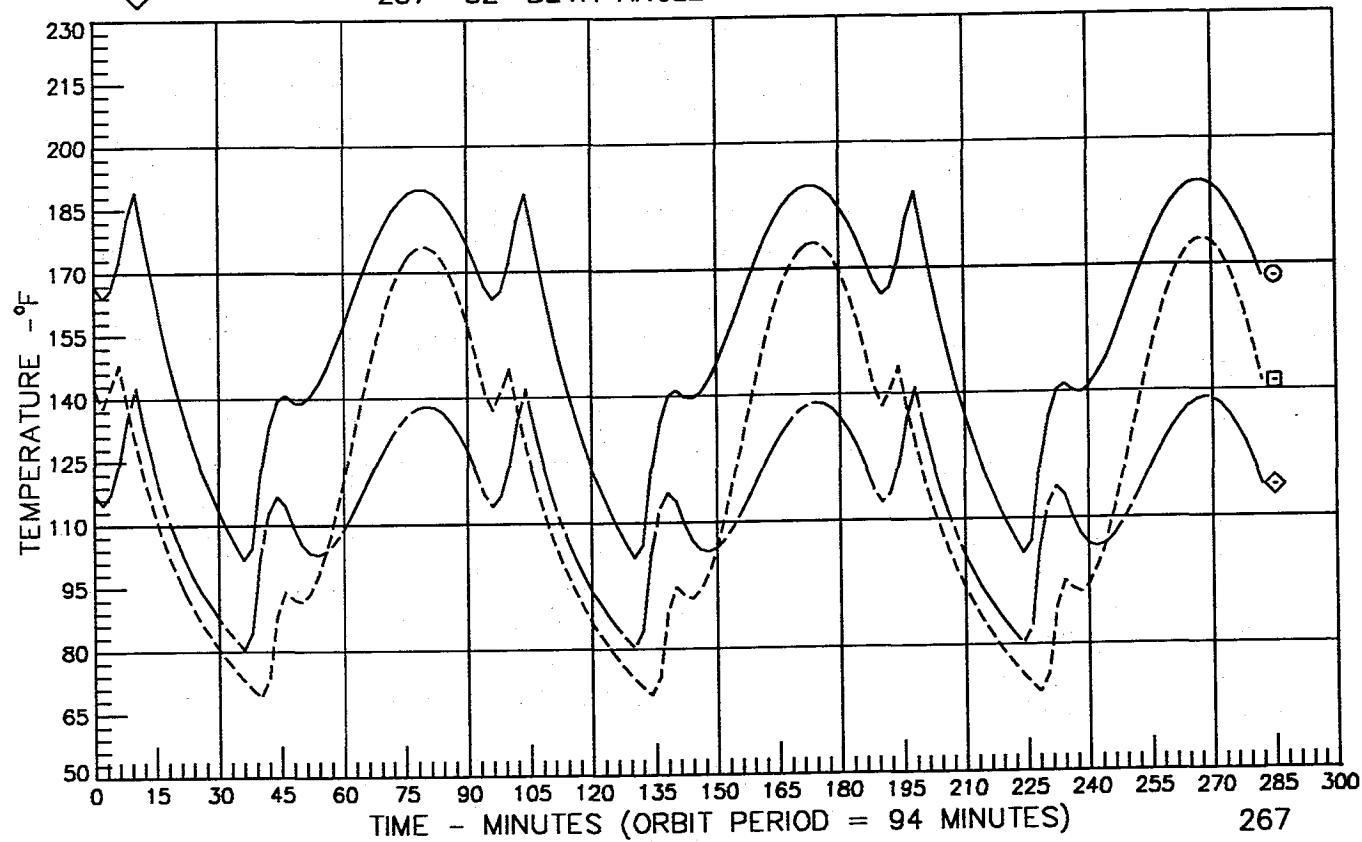
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



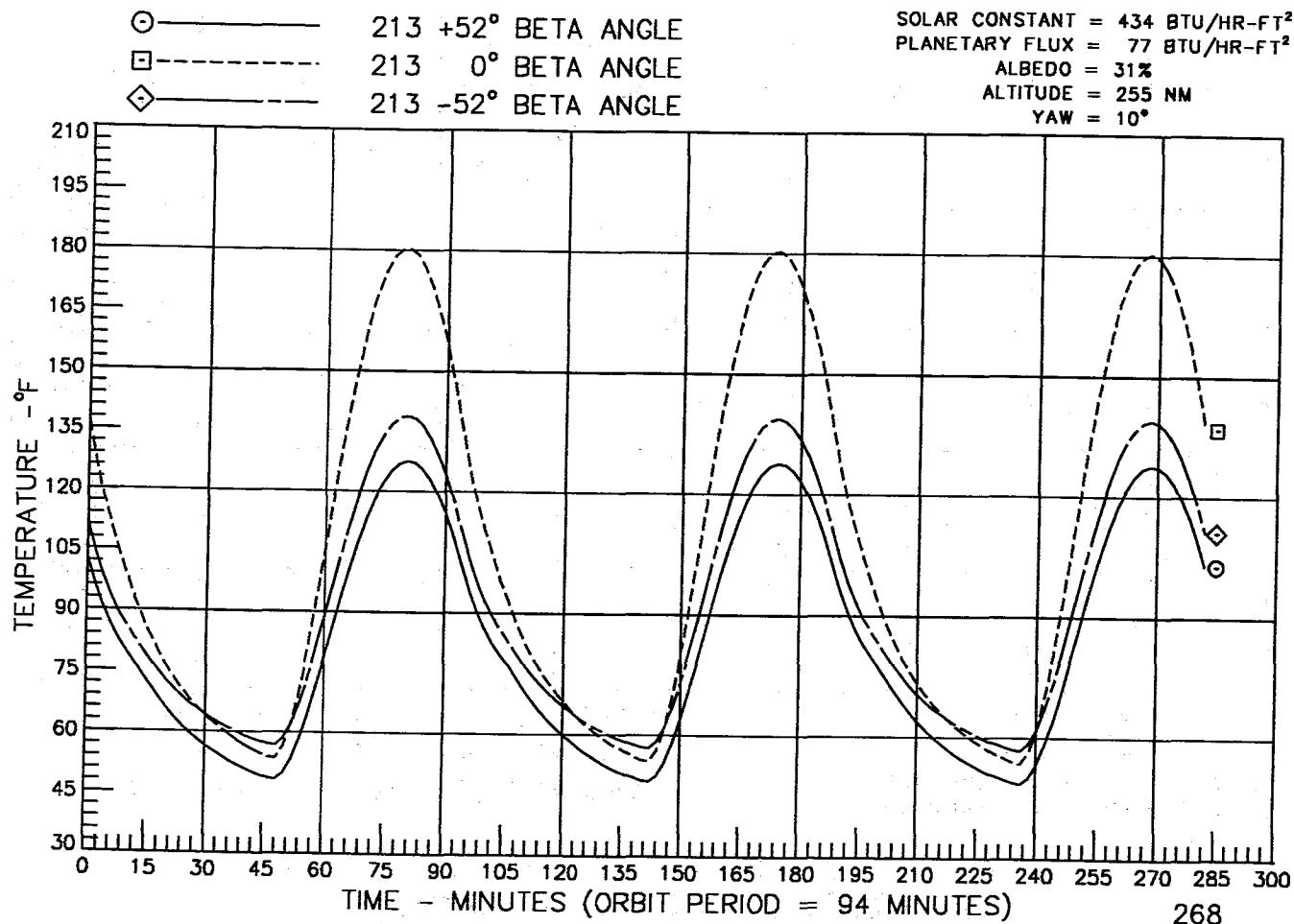
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH END THERMAL PANEL NORTH EDGE RW 12

○——— 207 +52° BETA ANGLE  
□----- 207 0° BETA ANGLE  
◊----- 207 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



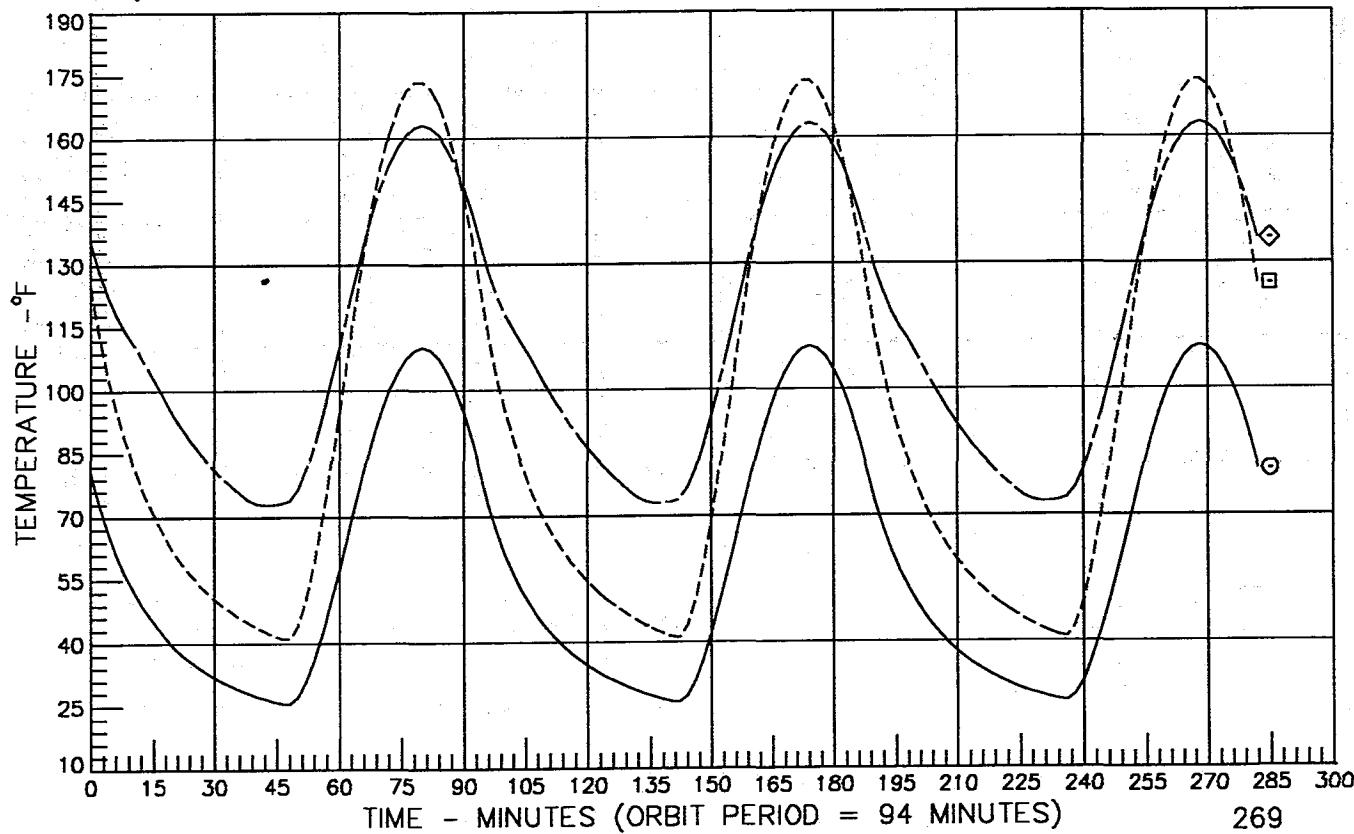
LONG DURATION EXPOSURE FACILITY  
 TRANSIENT ORBITAL TEMPERATURES  
 SPACE END THERMAL PANEL TRAILING EDGE



LONG DURATION EXPOSURE FACILITY  
 TRANSIENT ORBITAL TEMPERATURES  
 SPACE END THERMAL PANEL SOUTH EDGE RW 6

○ ————— 214 +52° BETA ANGLE  
 □ ————— 214 0° BETA ANGLE  
 ◊ ————— 214 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
 PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
 ALBEDO = 31%  
 ALTITUDE = 255 NM  
 YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE END THERMAL PANEL LEADING EDGE

○ ————— 215 +52° BETA ANGLE

□ ————— 215 0° BETA ANGLE

◊ ————— 215 -52° BETA ANGLE

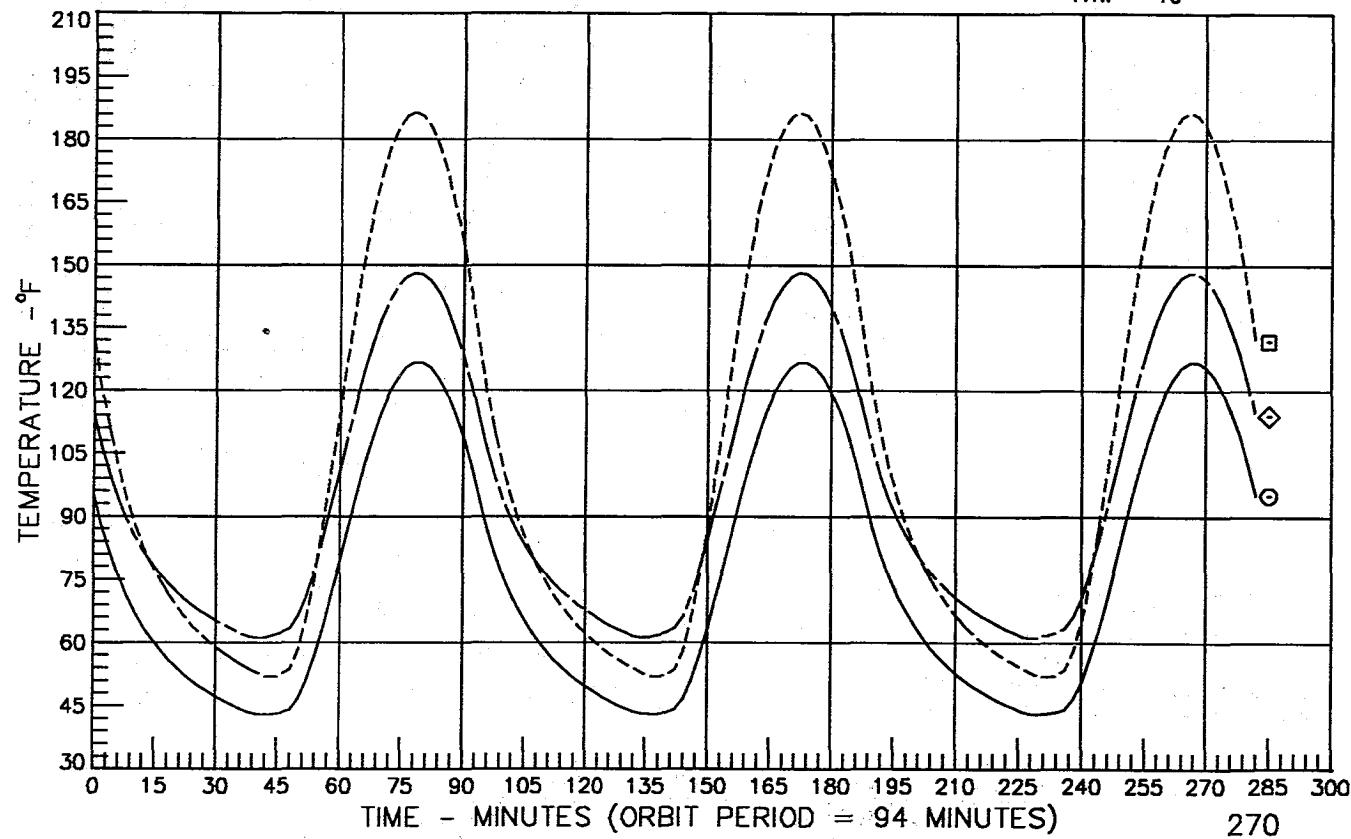
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE END THERMAL PANEL NORTH EDGE RW 12

○----- 216 +52° BETA ANGLE

□----- 216 0° BETA ANGLE

◊----- 216 -52° BETA ANGLE

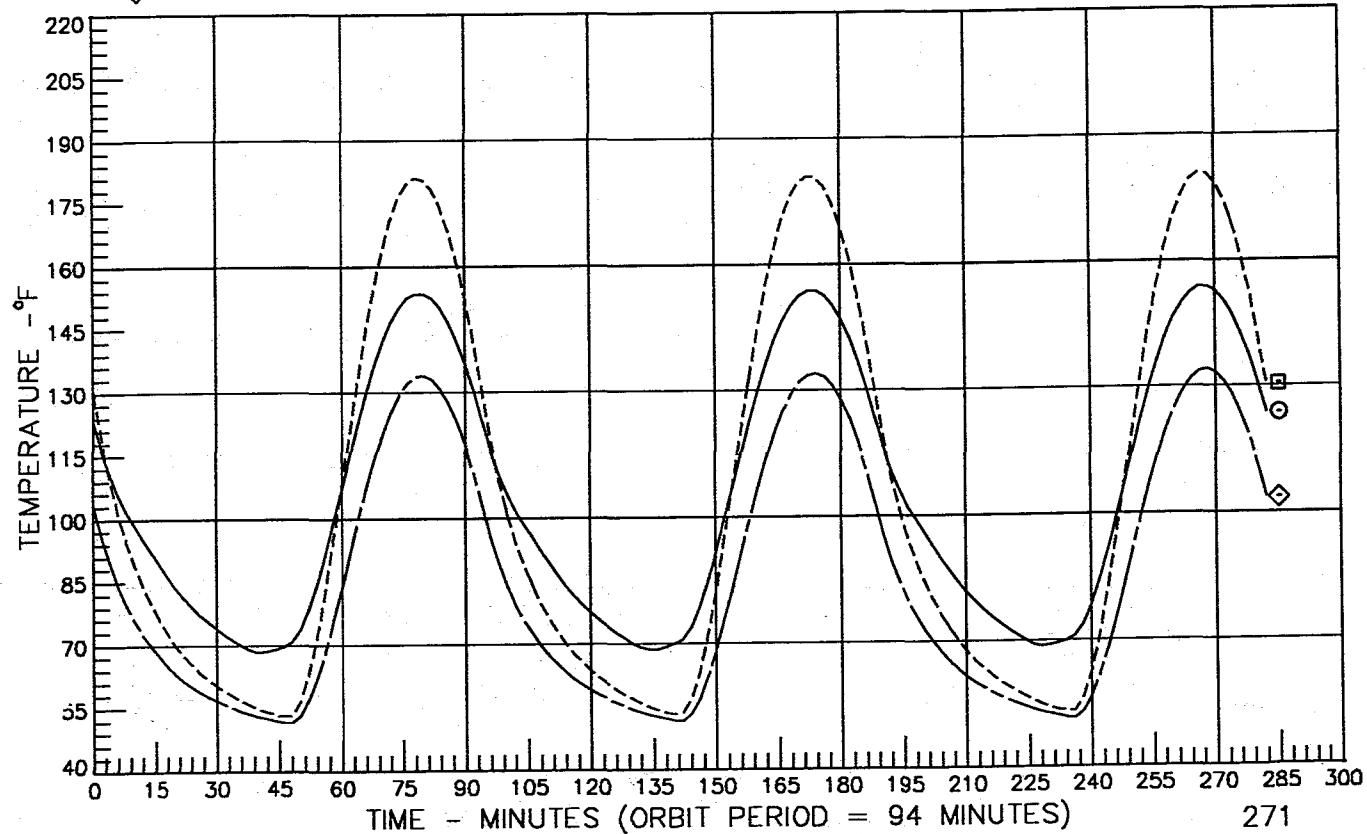
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

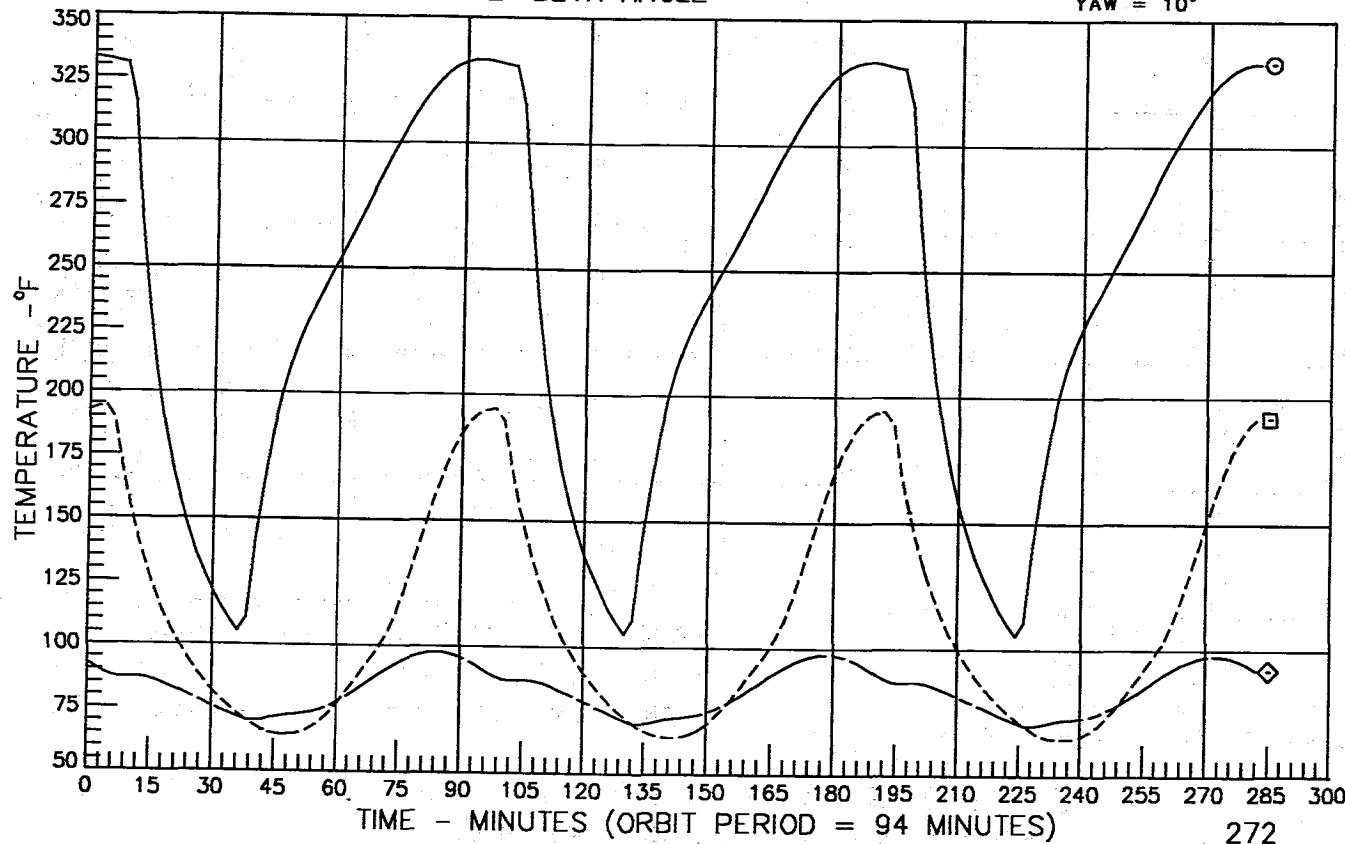
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH END THERMAL PANEL SIDE ROW 1

- ————— 294 +52° BETA ANGLE
- ----- 294 0° BETA ANGLE
- ◊ ----- 294 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
 TRANSIENT ORBITAL TEMPERATURES  
 EARTH END THERMAL PANEL SIDE ROW 2

○ ————— 295 +52° BETA ANGLE

□ - - - - - 295 0° BETA ANGLE

◊ - - - - - 295 -52° BETA ANGLE

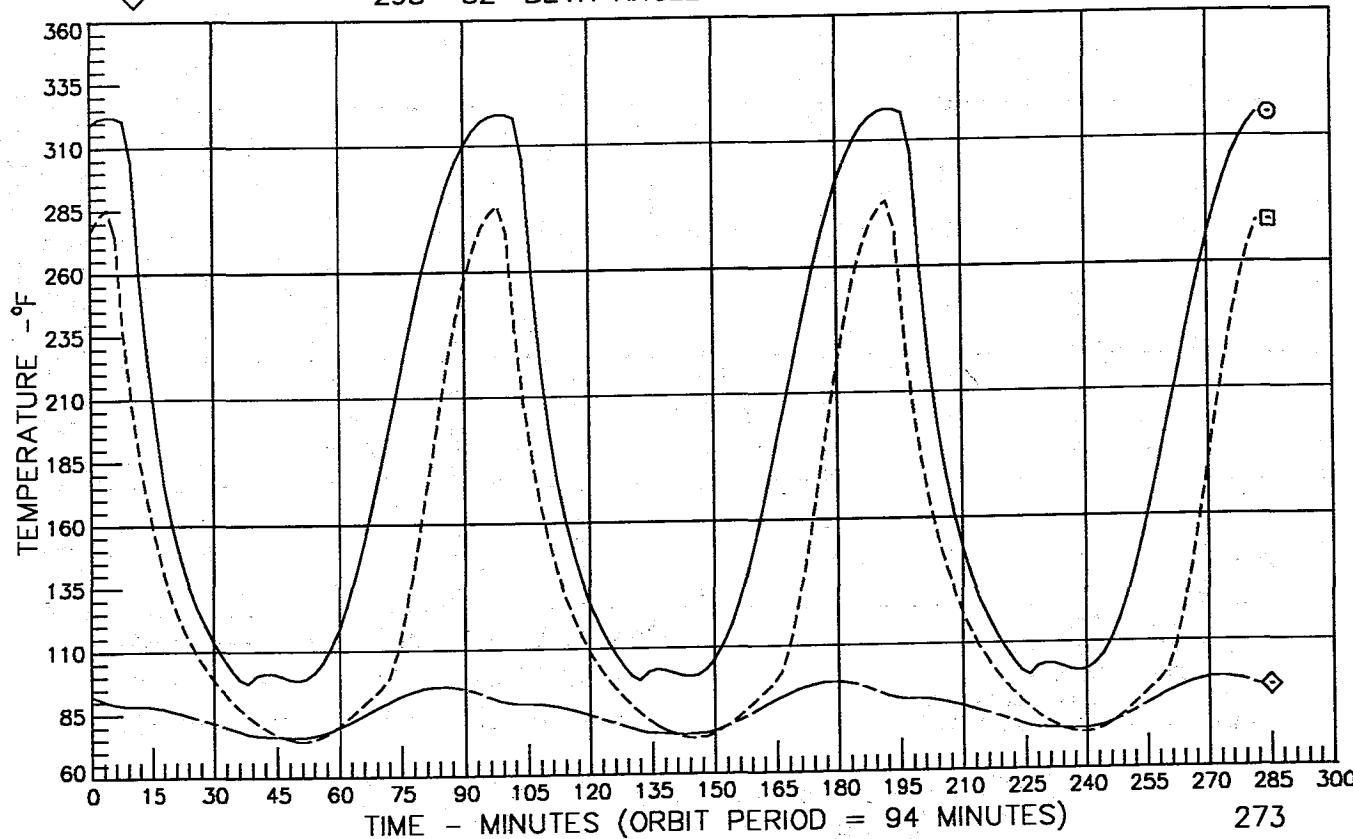
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH END THERMAL PANEL SIDE ROW 3

○ ————— 296 +52° BETA ANGLE

□ ————— 296 0° BETA ANGLE

◇ ————— 296 -52° BETA ANGLE

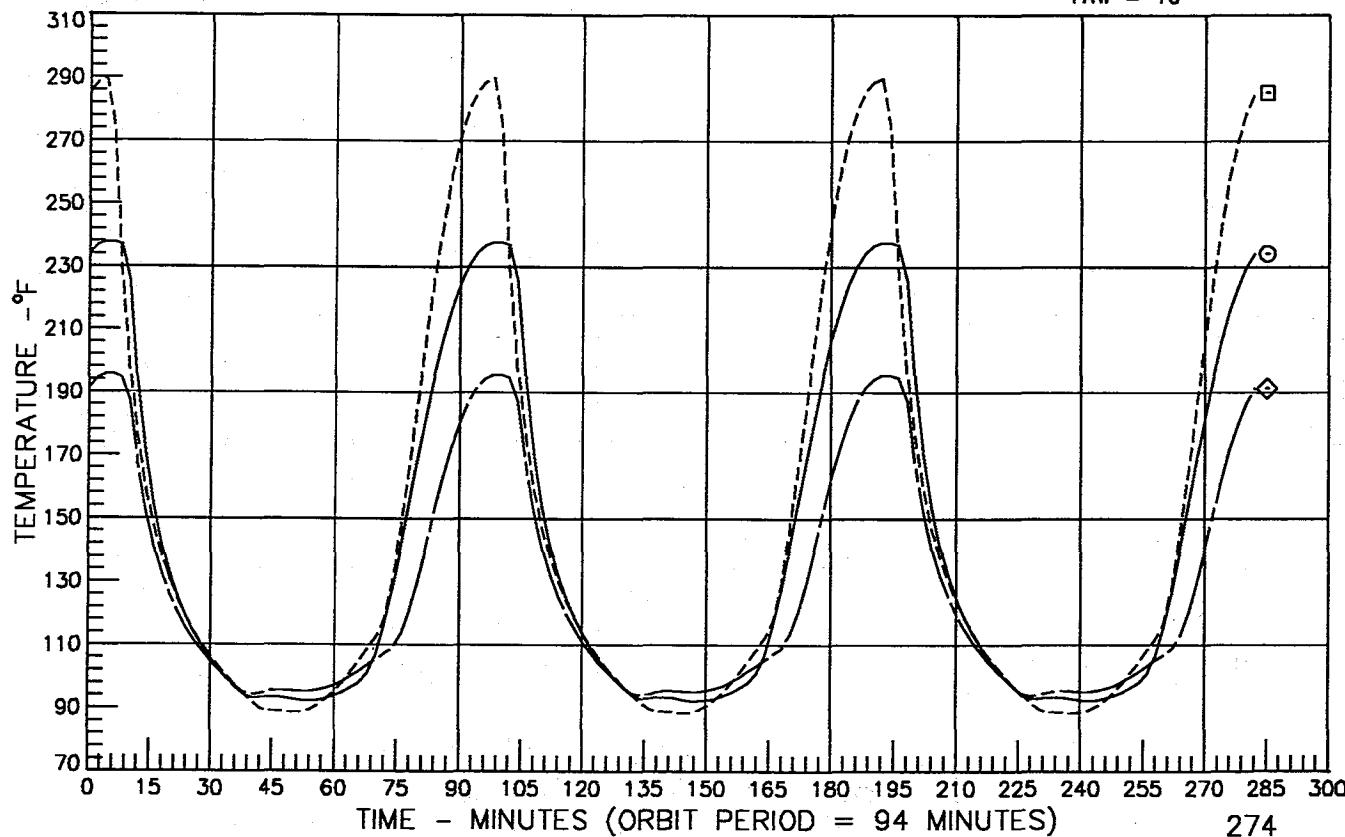
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

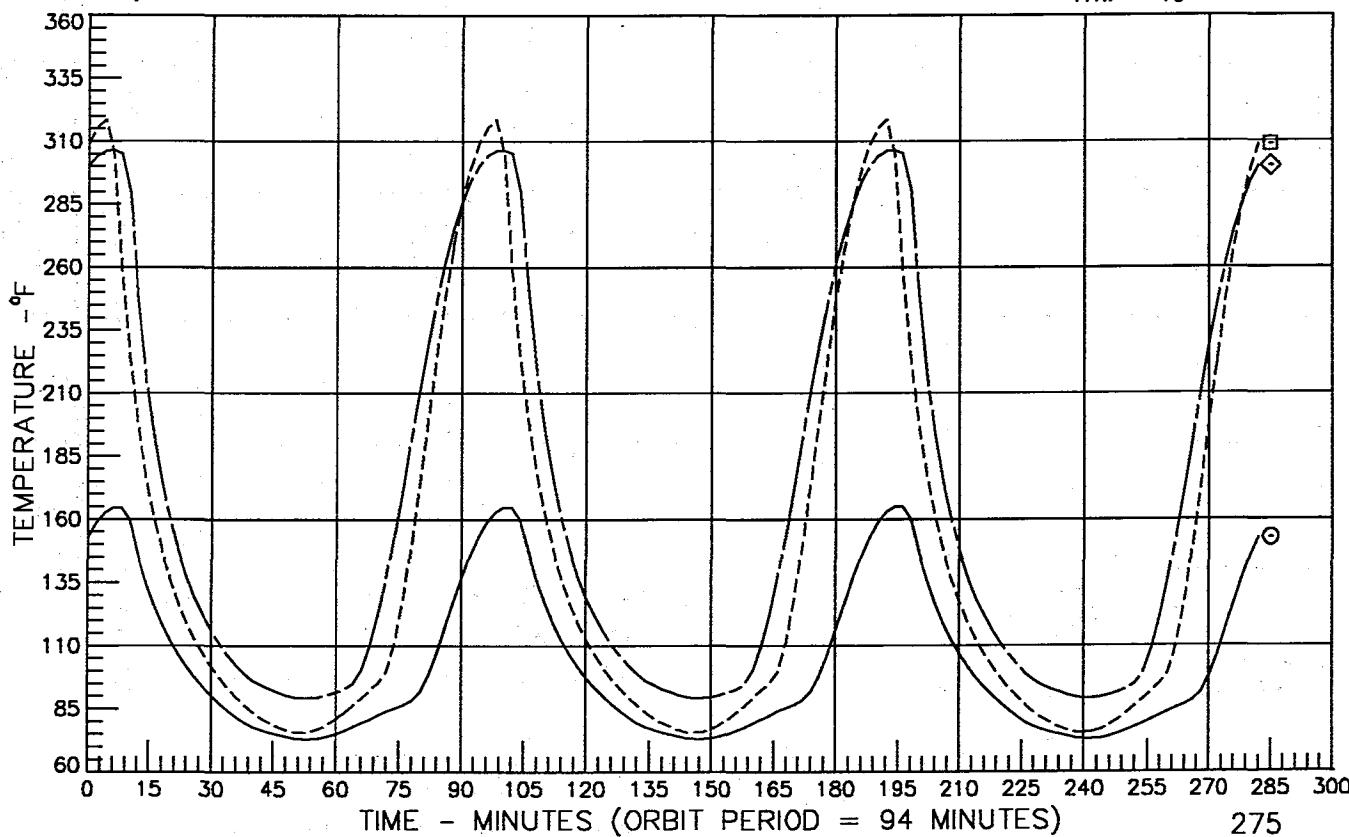
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH END THERMAL PANEL SIDE ROW 4

○——— 297 +52° BETA ANGLE  
□----- 297 0° BETA ANGLE  
◇----- 297 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH END THERMAL PANEL SIDE ROW 5

○ —————

298 +52° BETA ANGLE

□ - - - - -

298 0° BETA ANGLE

◇ - - - - -

298 -52° BETA ANGLE

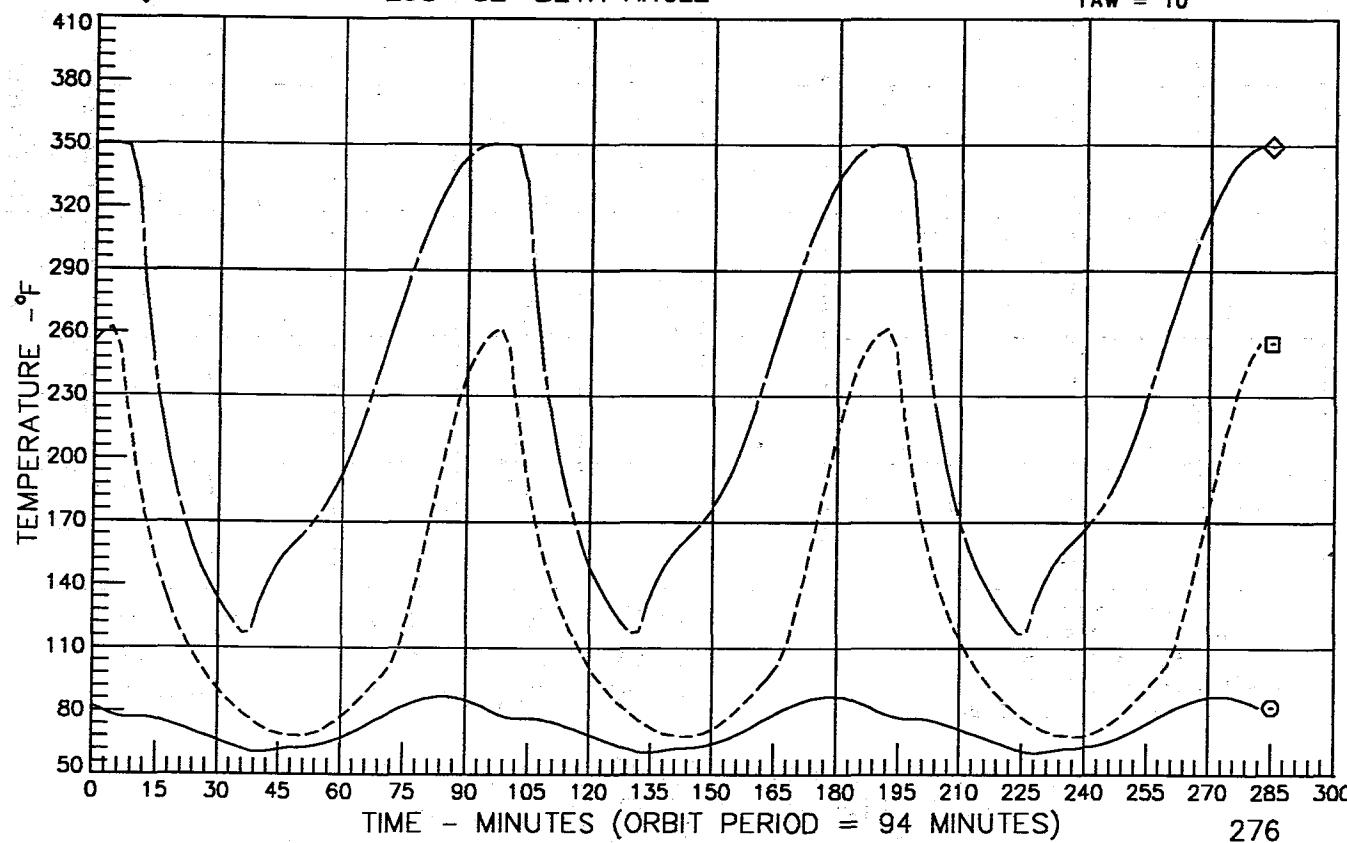
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

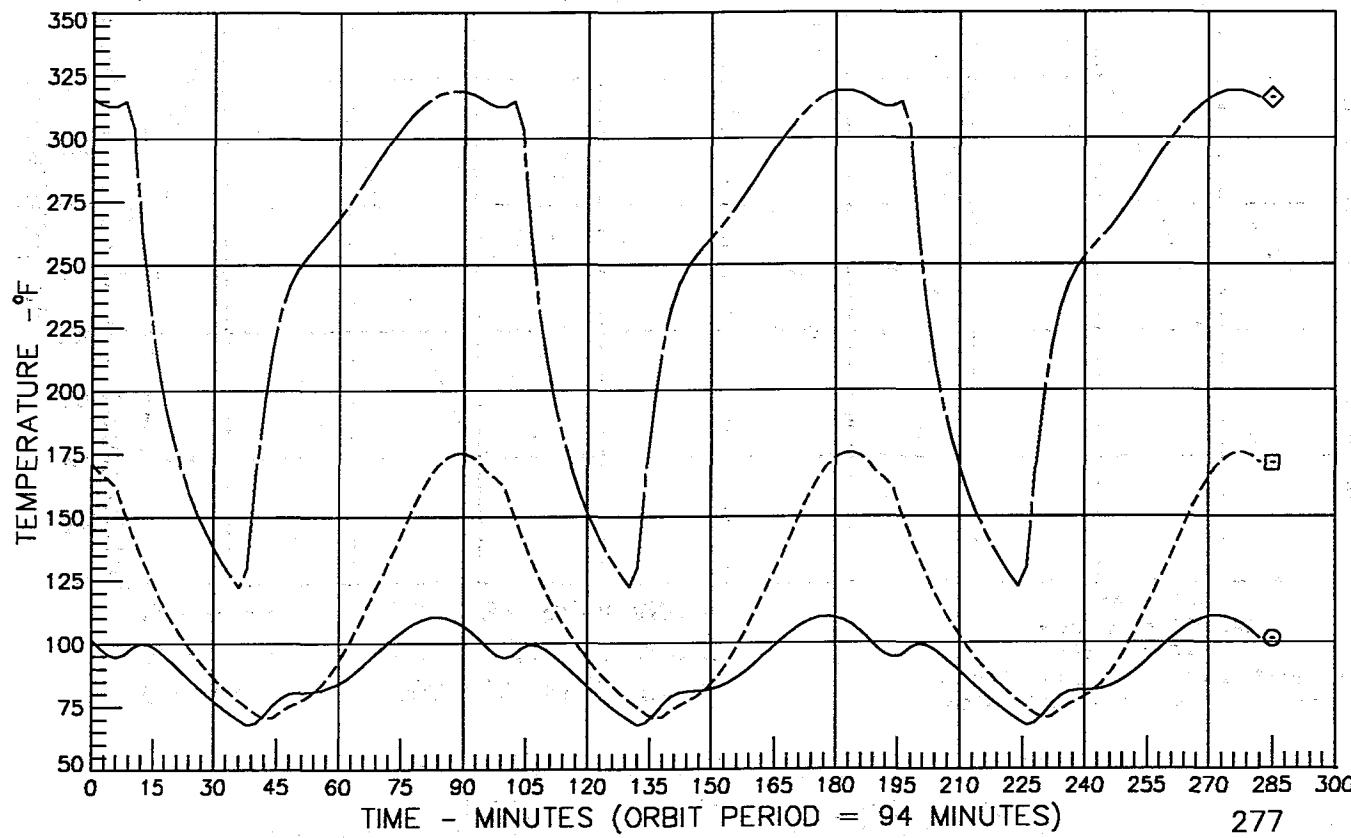
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH END THERMAL PANEL SIDE ROW 6

○ ————— 299 +52° BETA ANGLE  
□ ----- 299 0° BETA ANGLE  
◇ ----- 299 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH END THERMAL PANEL SIDE ROW 7

○ ————— 300 +52° BETA ANGLE

□ - - - - - 300 0° BETA ANGLE

◊ ————— 300 -52° BETA ANGLE

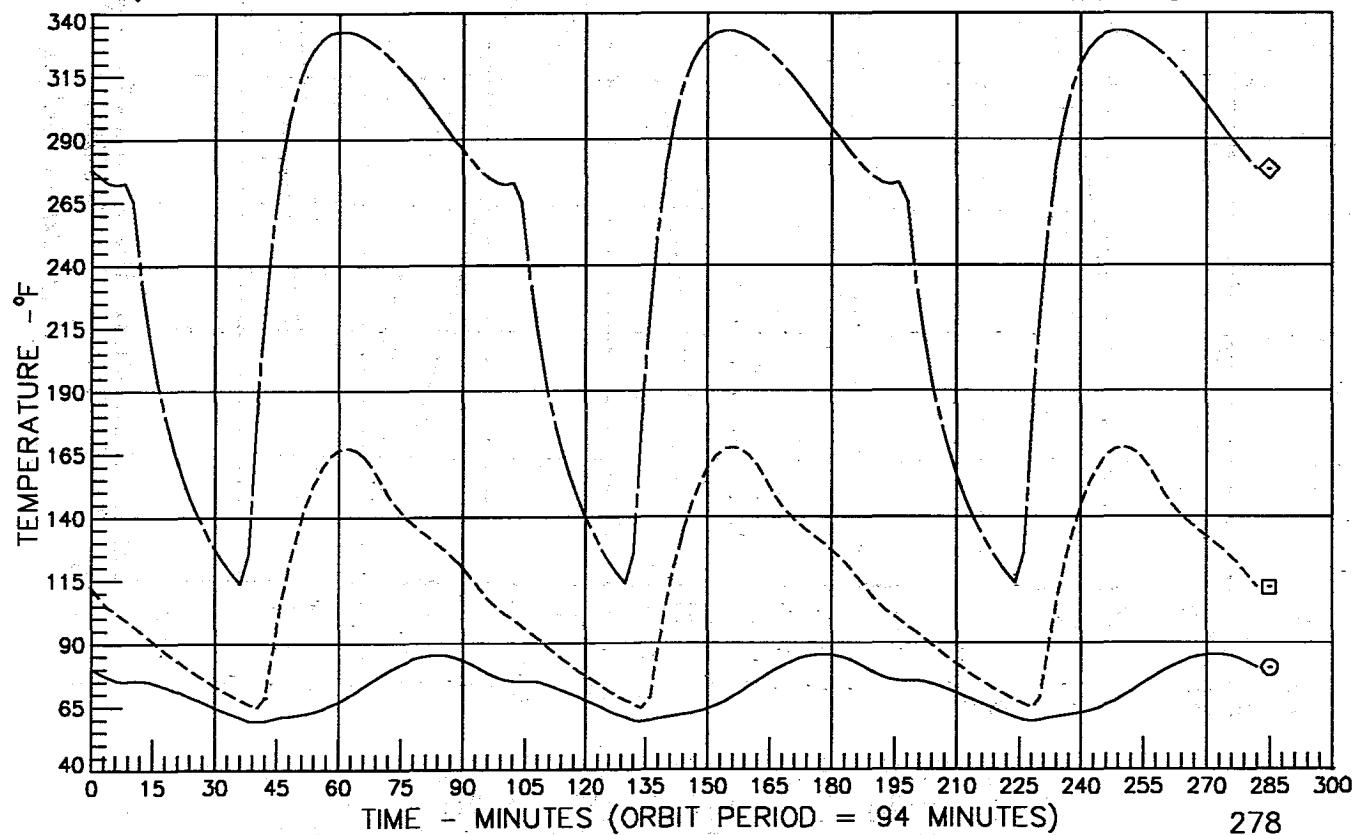
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

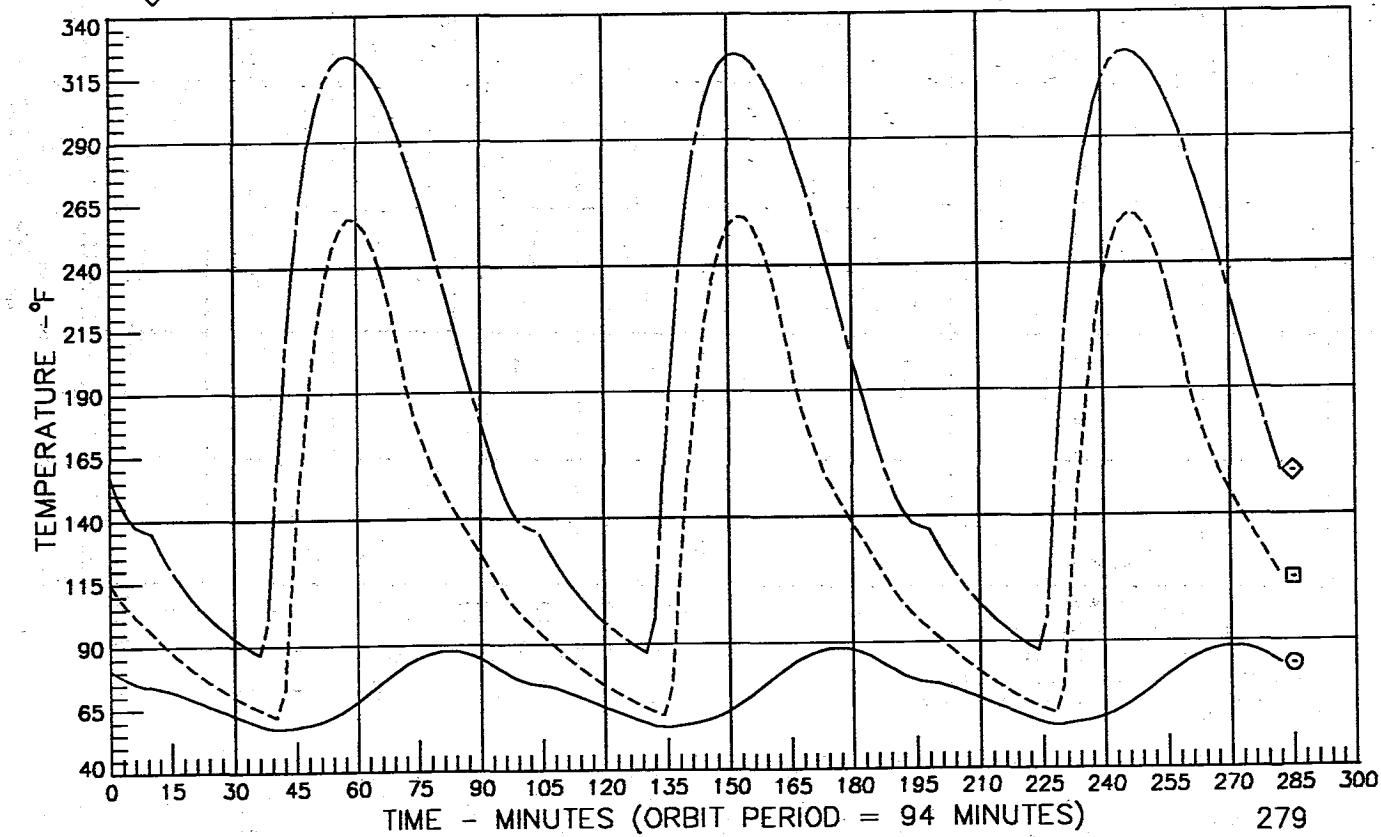
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH END THERMAL PANEL SIDE ROW 8

○ ————— 301 +52° BETA ANGLE  
□ - - - - - 301 0° BETA ANGLE  
◇ - - - - - 301 -52° BETA ANGLE

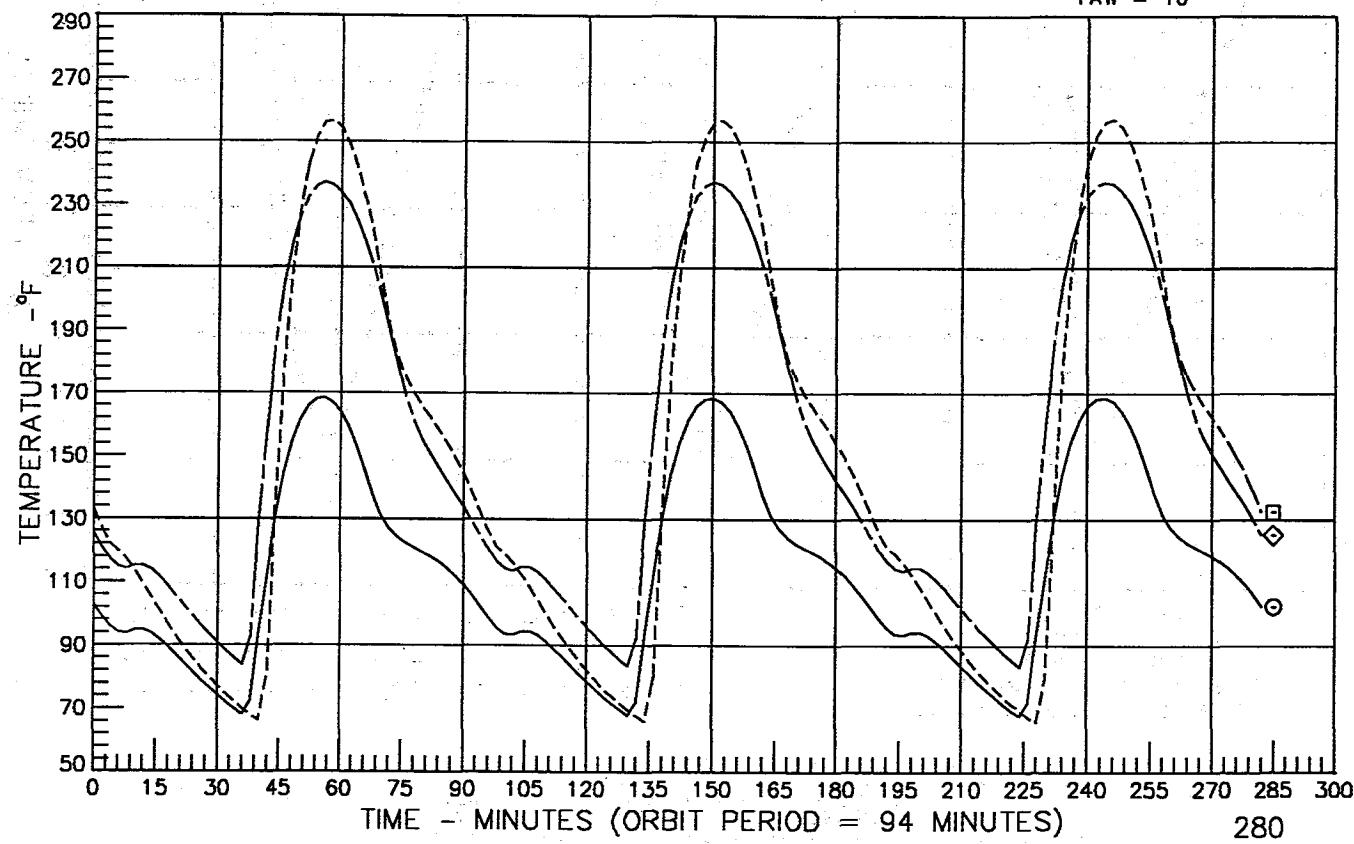
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH END THERMAL PANEL SIDE ROW 9

○ ————— 302 +52° BETA ANGLE  
□ ----- 302 0° BETA ANGLE  
◇ ----- 302 -52° BETA ANGLE

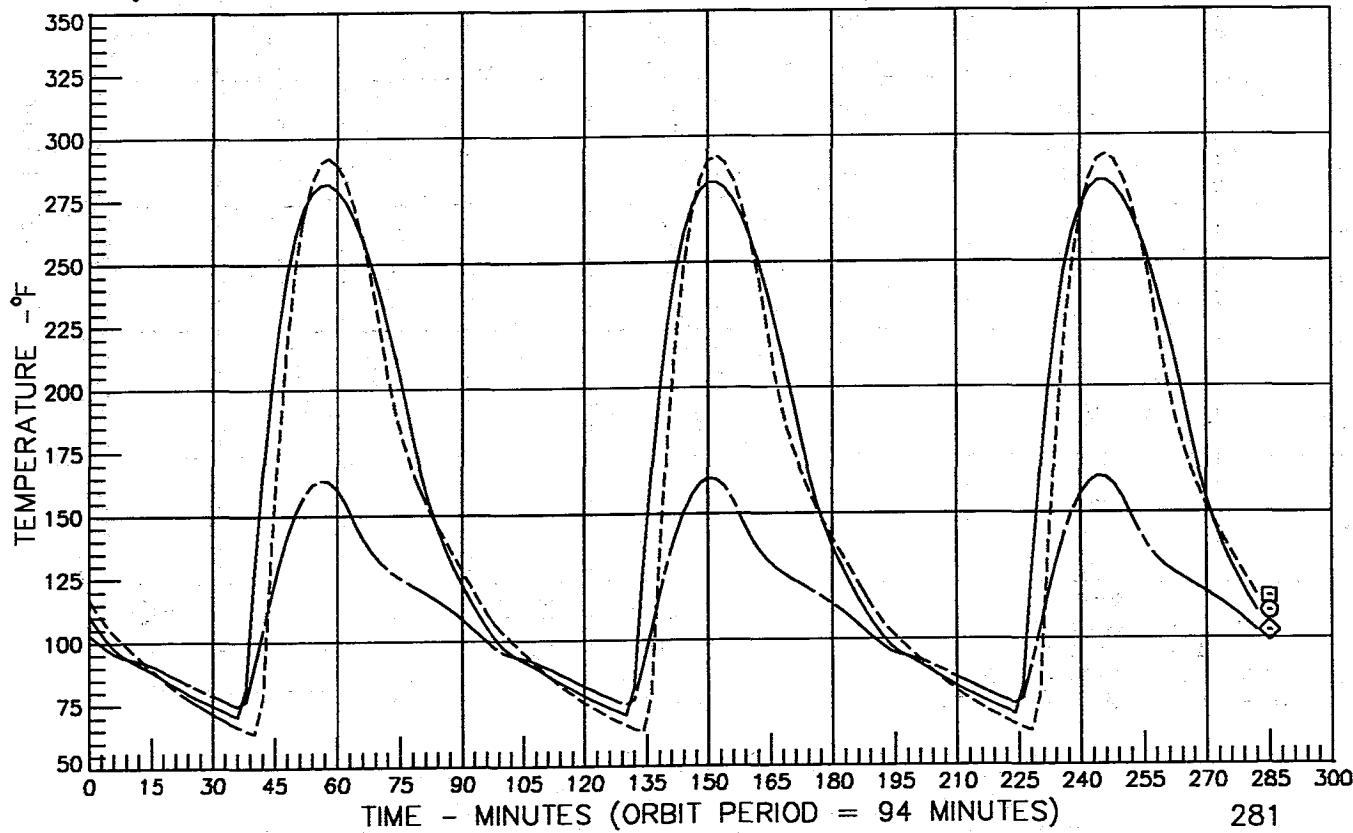
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH END THERMAL PANEL SIDE ROW 10

- ————— 303 +52° BETA ANGLE
- ————— 303 0° BETA ANGLE
- ◊ ————— 303 -52° BETA ANGLE

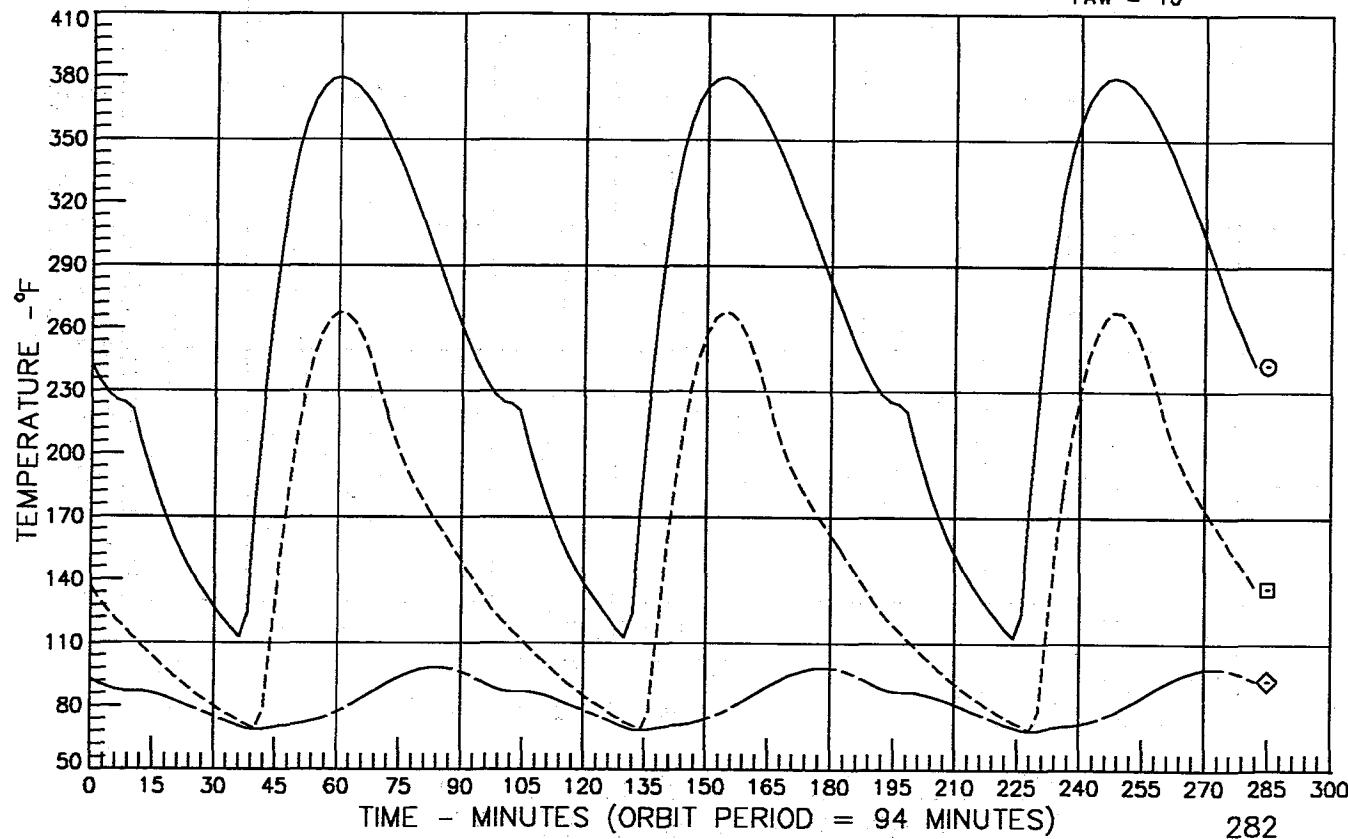
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = .77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
 TRANSIENT ORBITAL TEMPERATURES  
 EARTH END THERMAL PANEL SIDE ROW 11

○ ————— 304 +52° BETA ANGLE  
 □ - - - - - 304 0° BETA ANGLE  
 ◊ - - - - - 304 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
 PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
 ALBEDO = 31%  
 ALTITUDE = 255 NM  
 YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH END THERMAL PANEL SIDE ROW 12

○ ————— 305 +52° BETA ANGLE

□ ————— 305 0° BETA ANGLE

◇ ————— 305 -52° BETA ANGLE

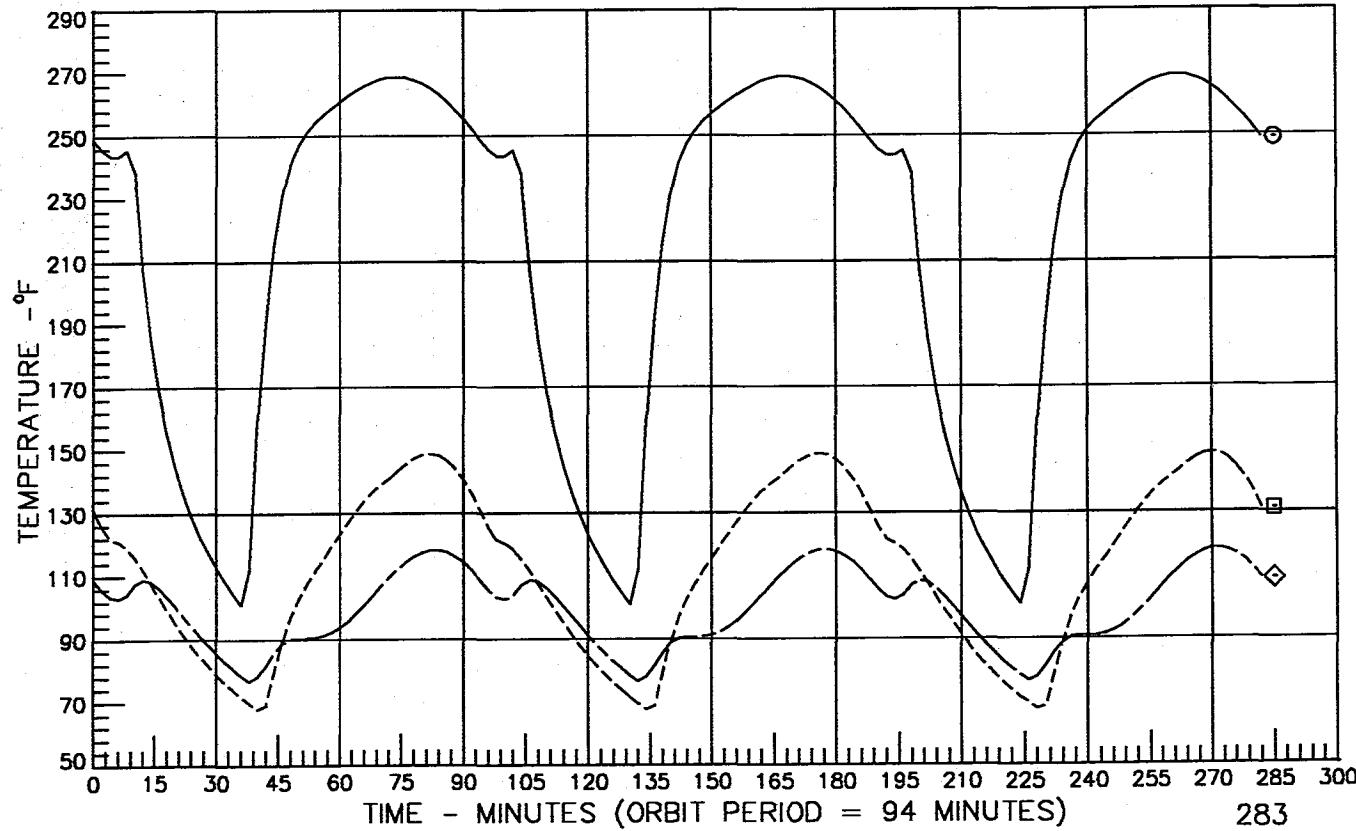
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

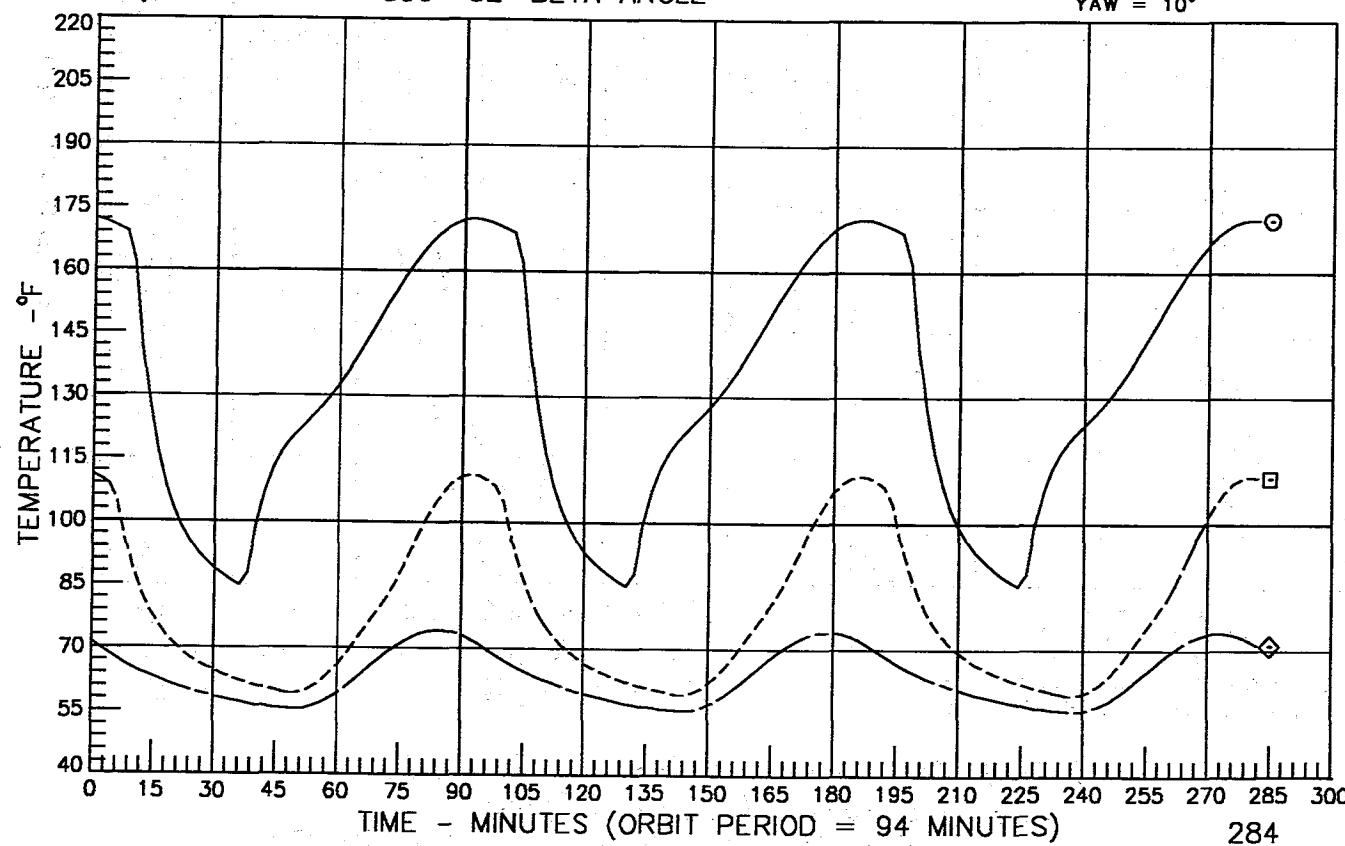
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
 TRANSIENT ORBITAL TEMPERATURES  
 SPACE END THERMAL PANEL SIDE ROW 1

○ ————— 306 +52° BETA ANGLE  
 □ - - - - - 306 0° BETA ANGLE  
 ♦ - - - - - 306 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
 PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
 ALBEDO = 31%  
 ALTITUDE = 255 NM  
 YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE END THERMAL PANEL SIDE ROW 2

○ —————

307 +52° BETA ANGLE

□ - - - - -

307 0° BETA ANGLE

◇ - - - - -

307 -52° BETA ANGLE

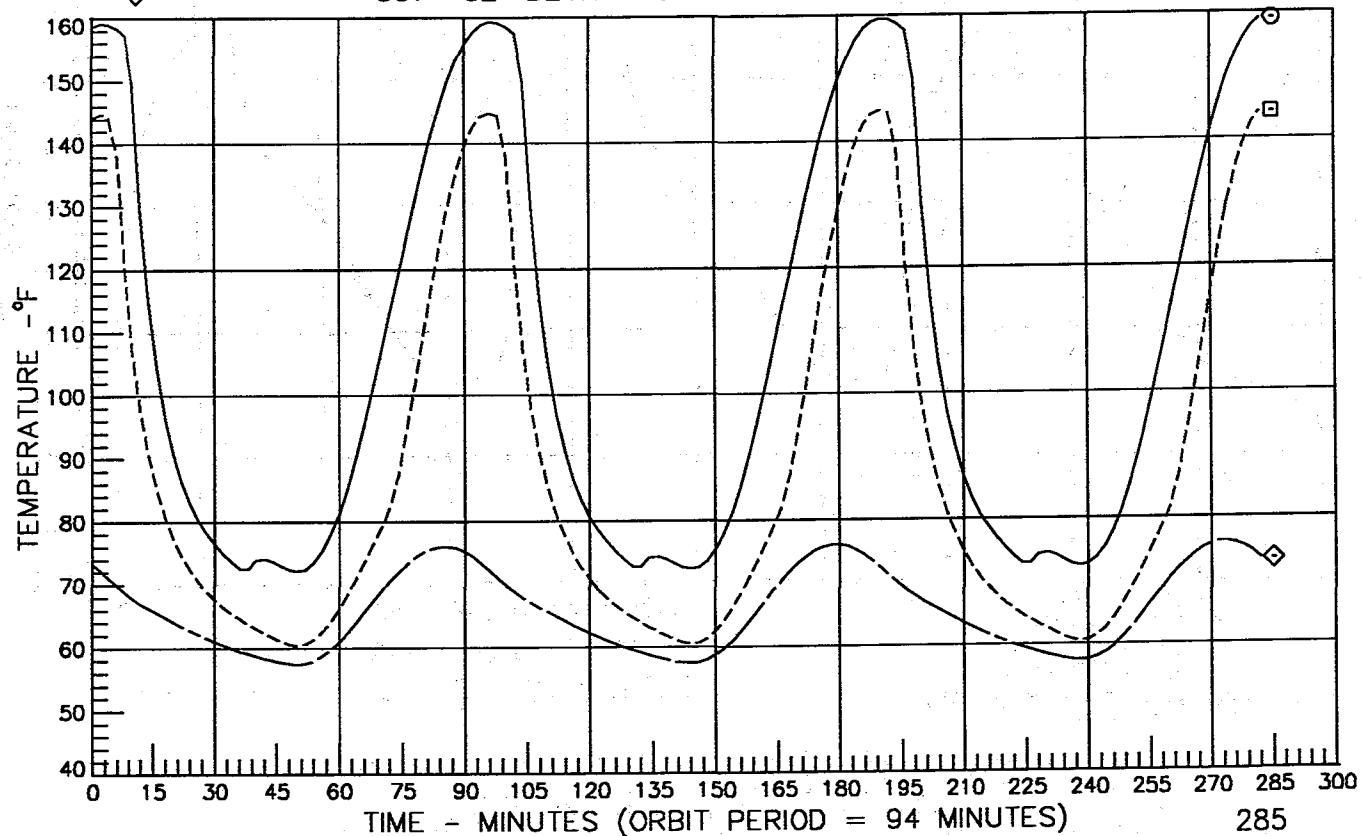
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

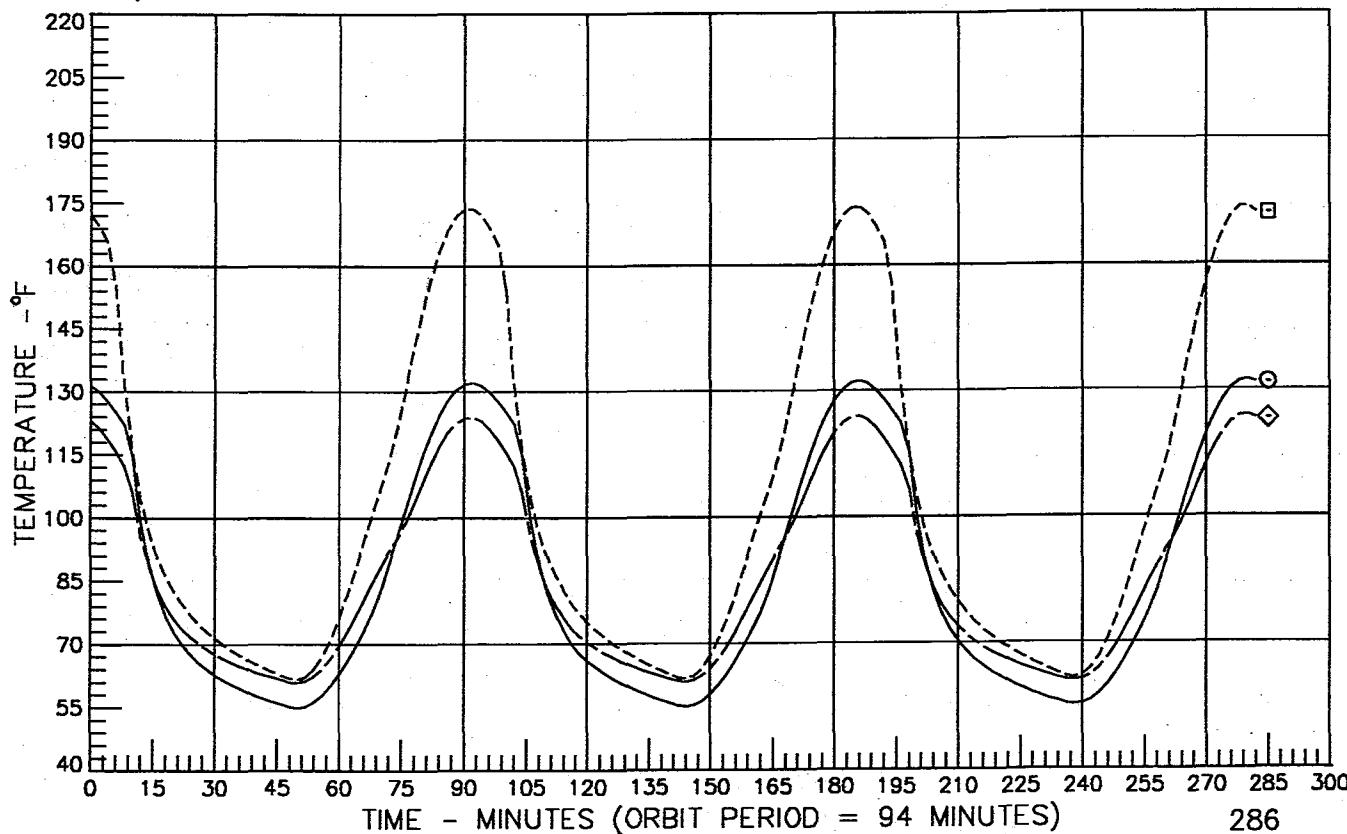
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE END THERMAL PANEL SIDE ROW 3

○ ————— 308 +52° BETA ANGLE  
□ ----- 308 0° BETA ANGLE  
◊ ————— 308 -52° BETA ANGLE

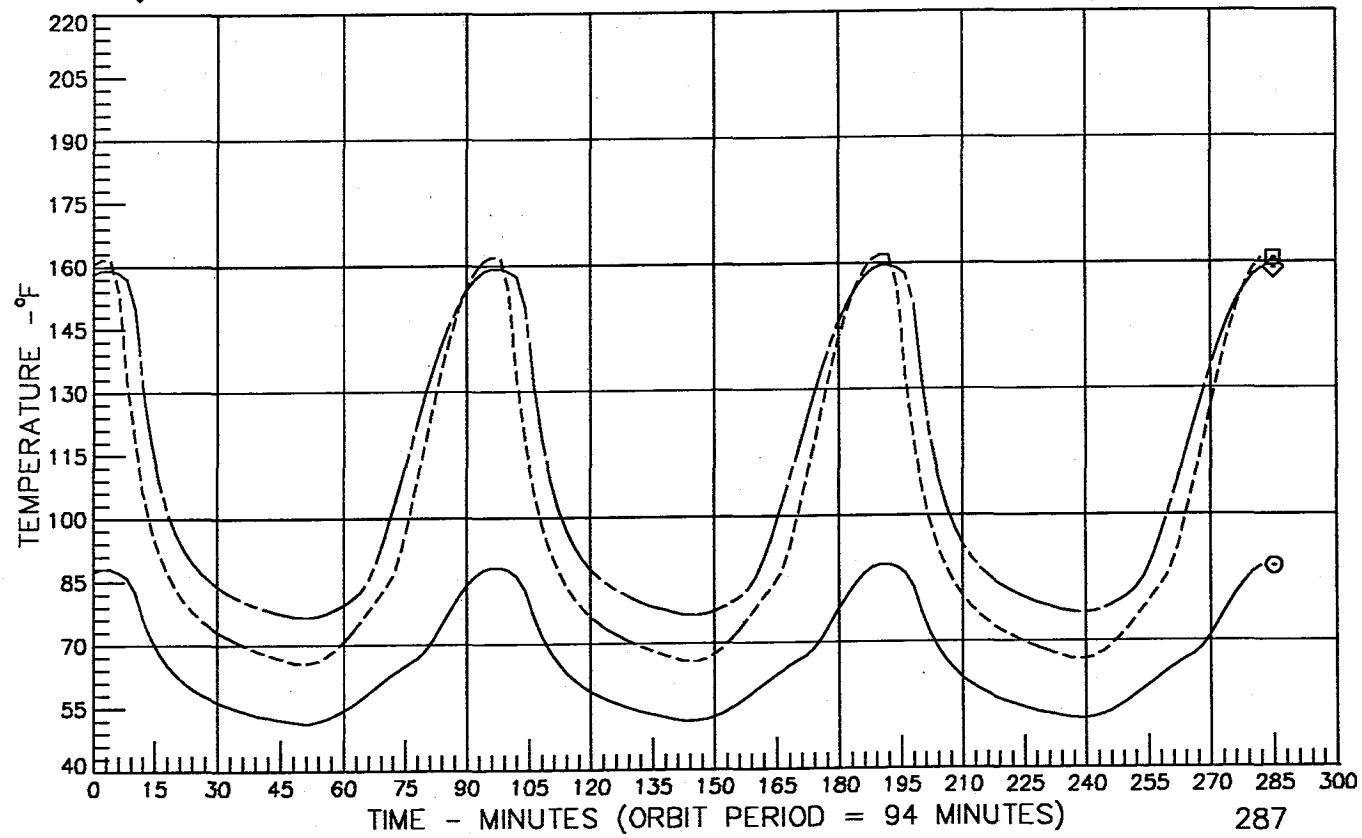
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
 TRANSIENT ORBITAL TEMPERATURES  
 SPACE END THERMAL PANEL SIDE ROW 4

○ ————— 309 +52° BETA ANGLE  
 □ ----- 309 0° BETA ANGLE  
 ◇ ----- 309 -52° BETA ANGLE

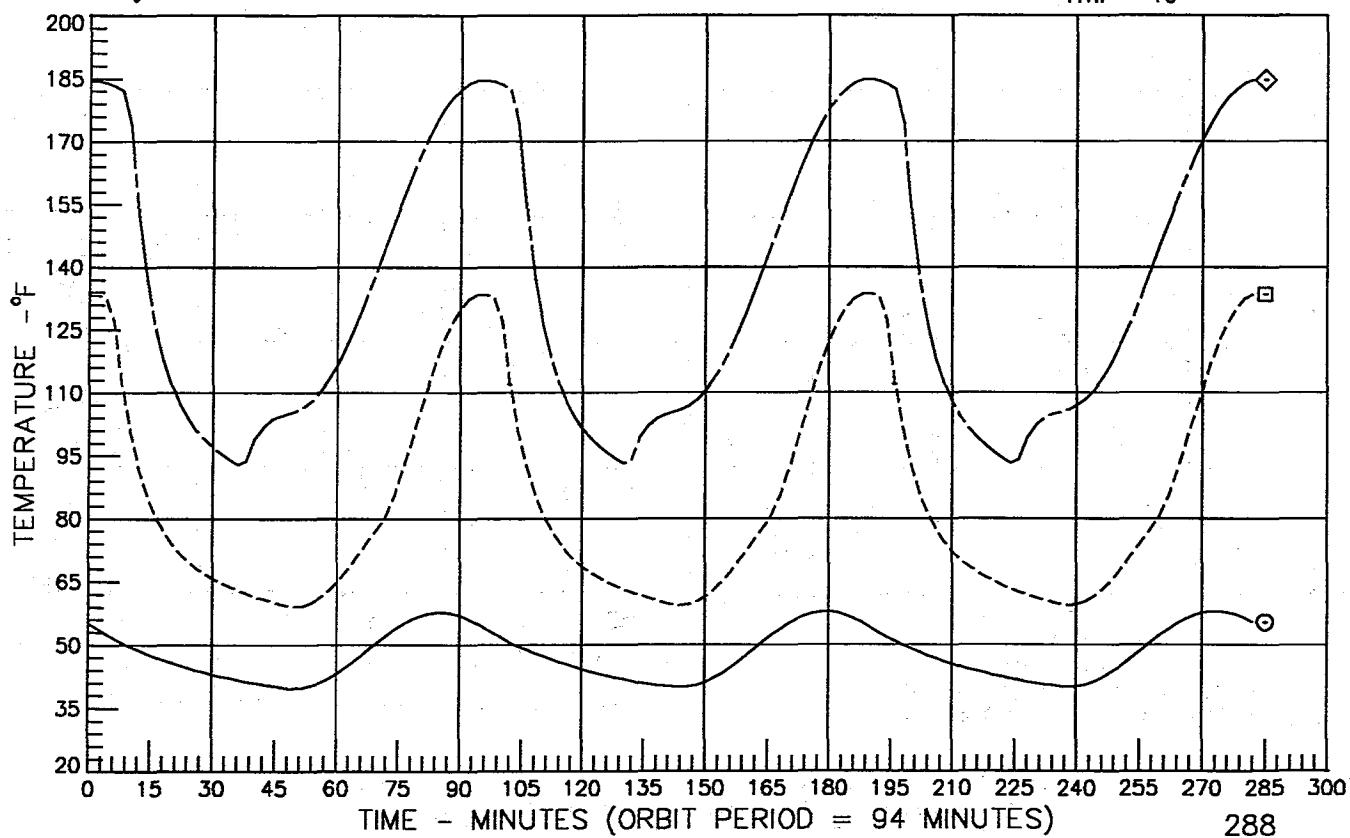
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
 PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
 ALBEDO = 31%  
 ALTITUDE = 255 NM  
 YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE END THERMAL PANEL SIDE ROW 5

○ ————— 310 +52° BETA ANGLE  
□ ----- 310 0° BETA ANGLE  
◊ ----- 310 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE END THERMAL PANEL SIDE ROW 6

○ ————— 311 +52° BETA ANGLE

□ - - - - - 311 0° BETA ANGLE

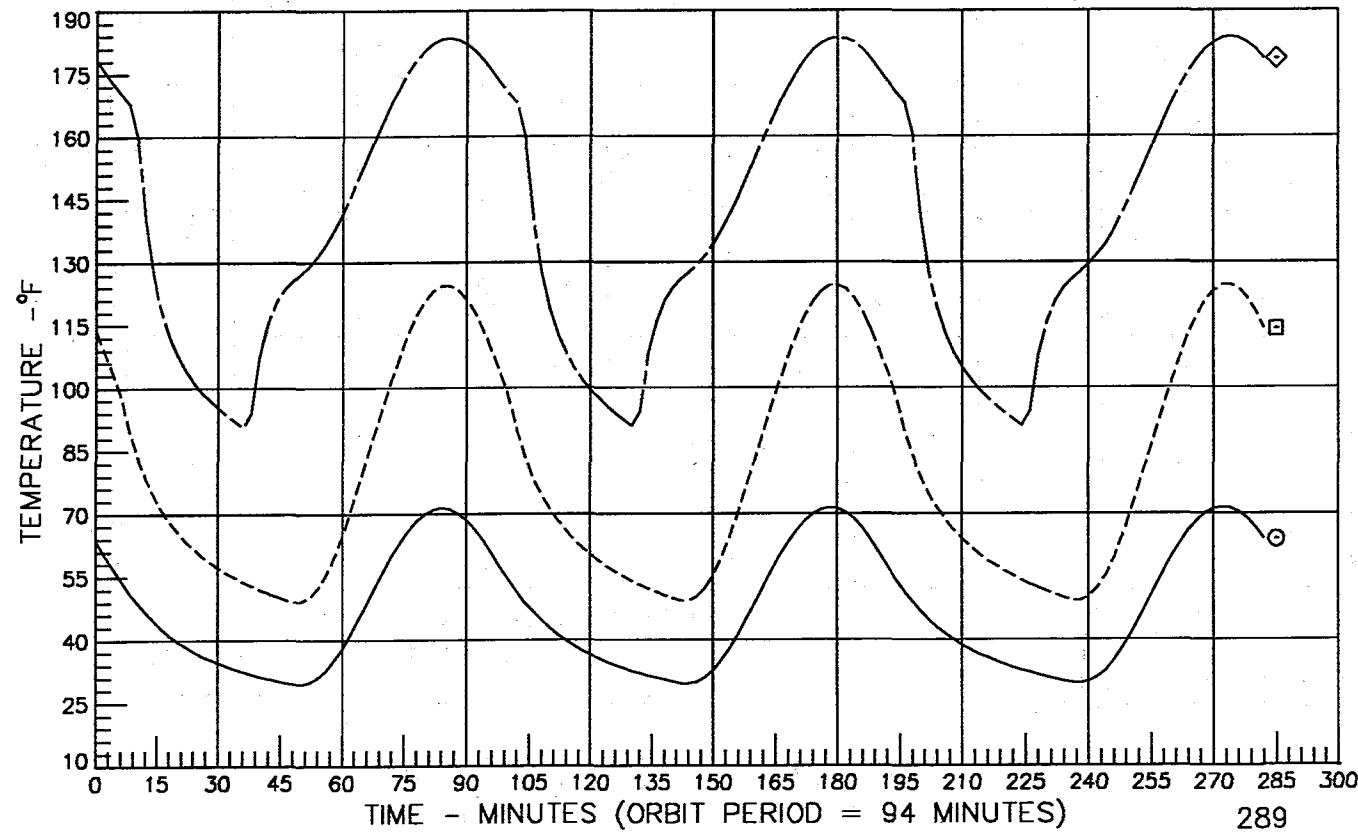
◇ - - - - - 311 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE END THERMAL PANEL SIDE ROW 7

○ ————— 312 +52° BETA ANGLE

□ ————— 312 0° BETA ANGLE

◇ ————— 312 -52° BETA ANGLE

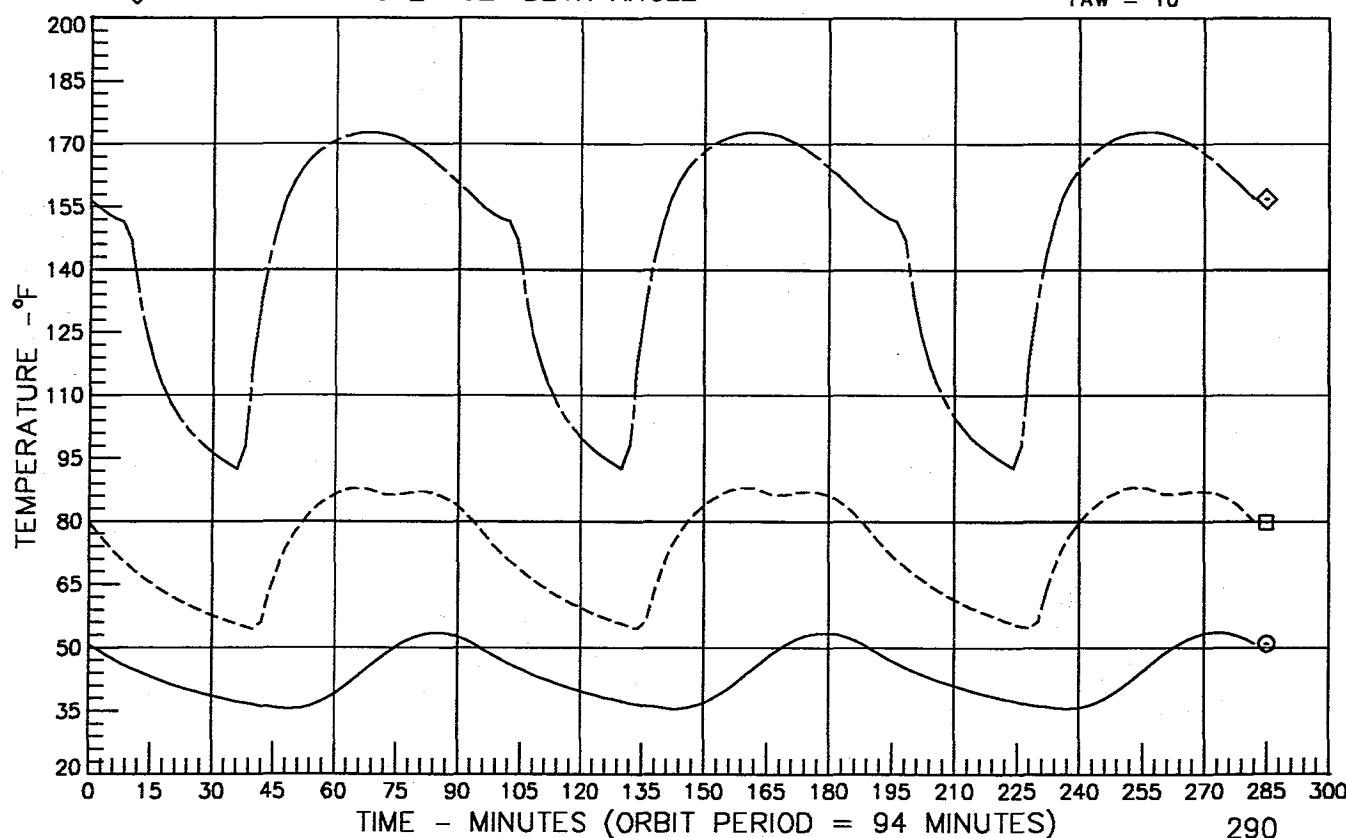
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

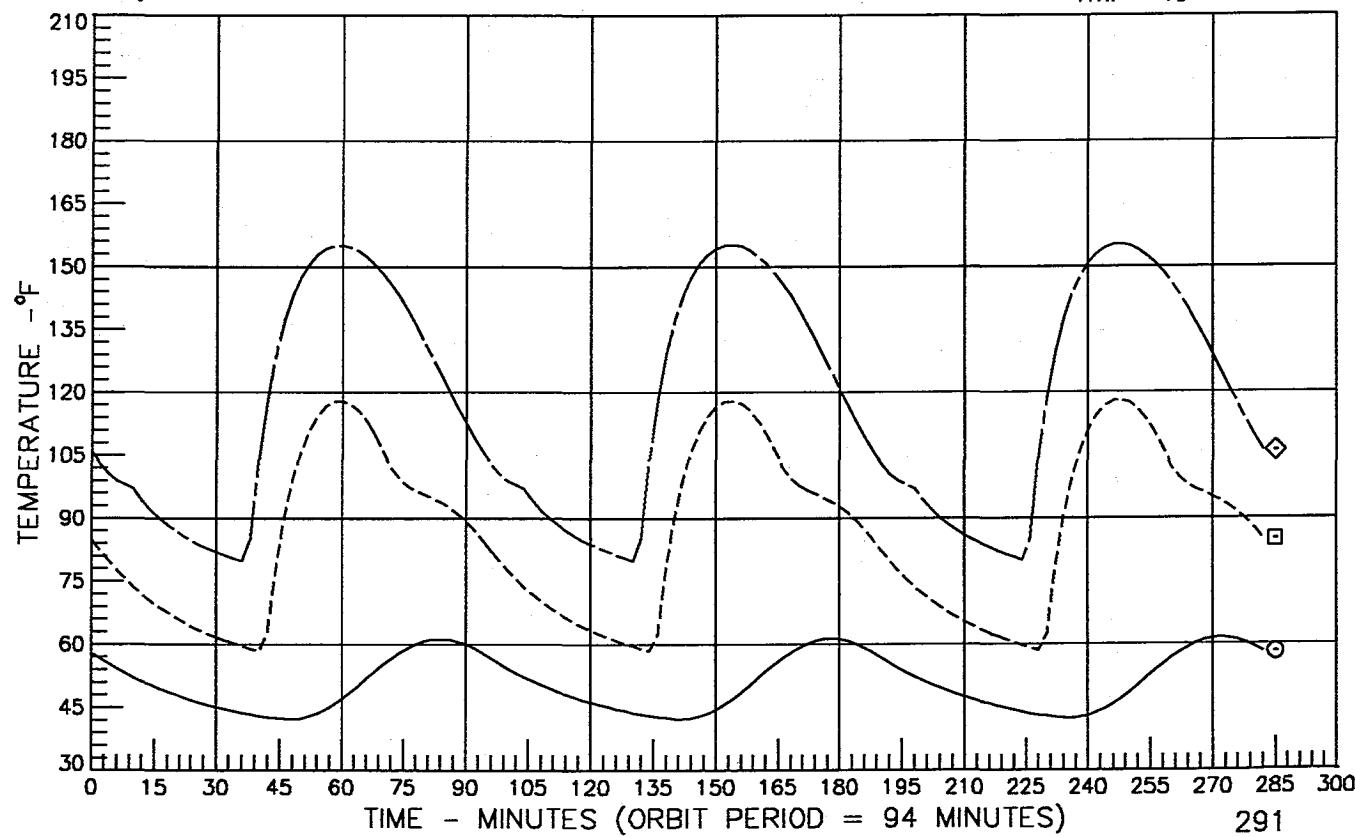
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE END THERMAL PANEL SIDE ROW 8

○ ————— 313 +52° BETA ANGLE  
□ ----- 313 0° BETA ANGLE  
◊ ————— 313 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE END THERMAL PANEL SIDE ROW 9

○ ————— 314 +52° BETA ANGLE

□ - - - - - 314 0° BETA ANGLE

◊ ————— 314 -52° BETA ANGLE

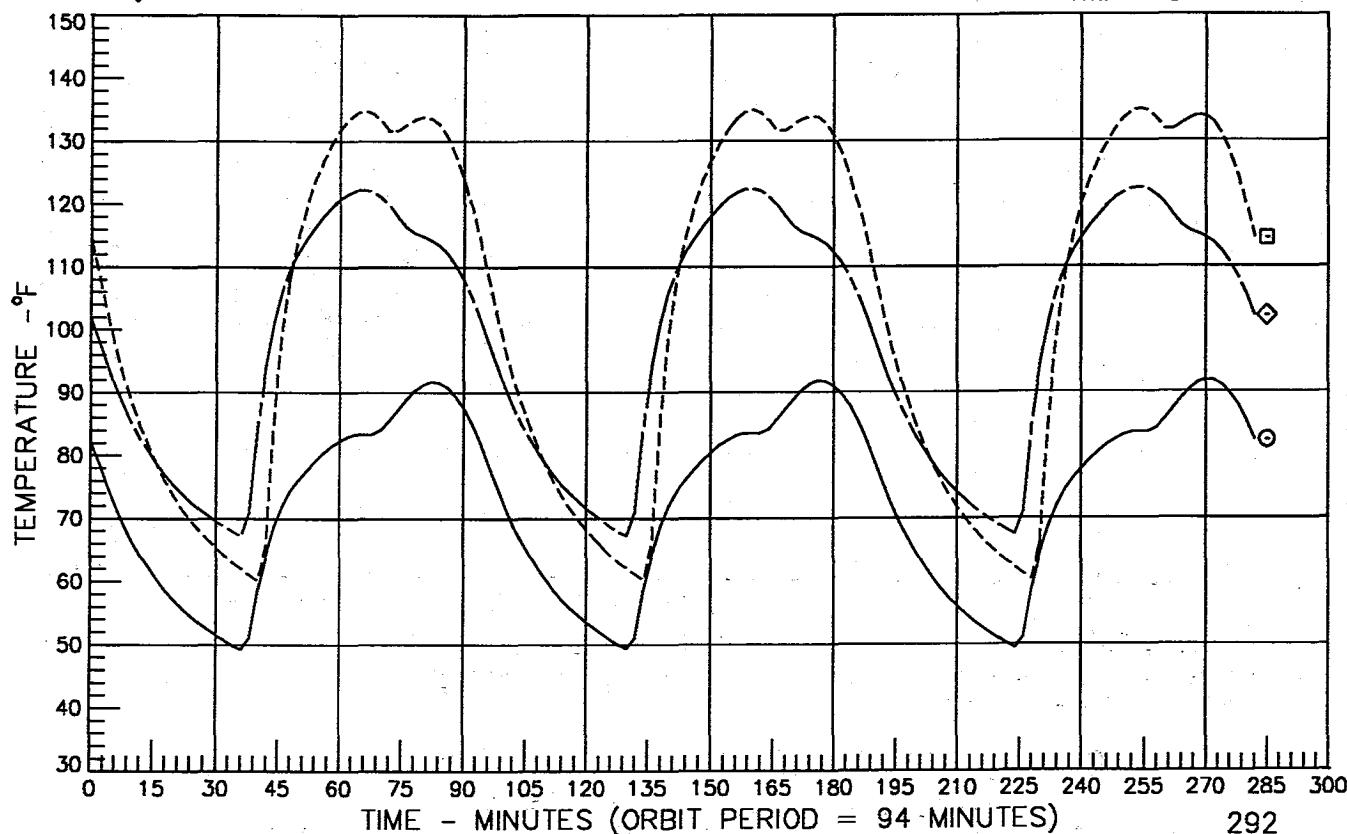
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE END THERMAL PANEL SIDE ROW 10

○ ————— 315 +52° BETA ANGLE

□ ————— 315 0° BETA ANGLE

◇ ————— 315 -52° BETA ANGLE

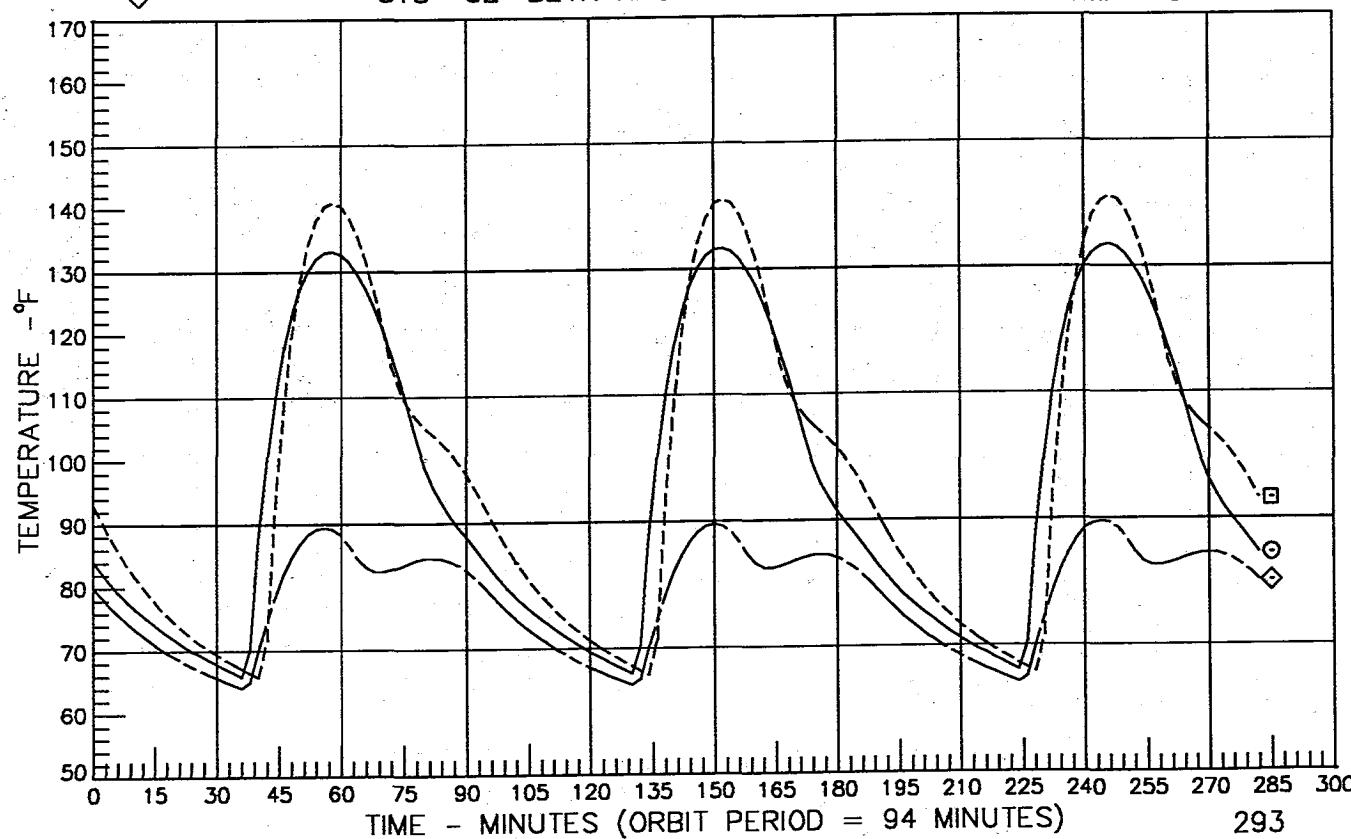
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE END THERMAL PANEL SIDE ROW 11

○ ————— 316 +52° BETA ANGLE

□ ----- 316 0° BETA ANGLE

◊ ————— 316 -52° BETA ANGLE

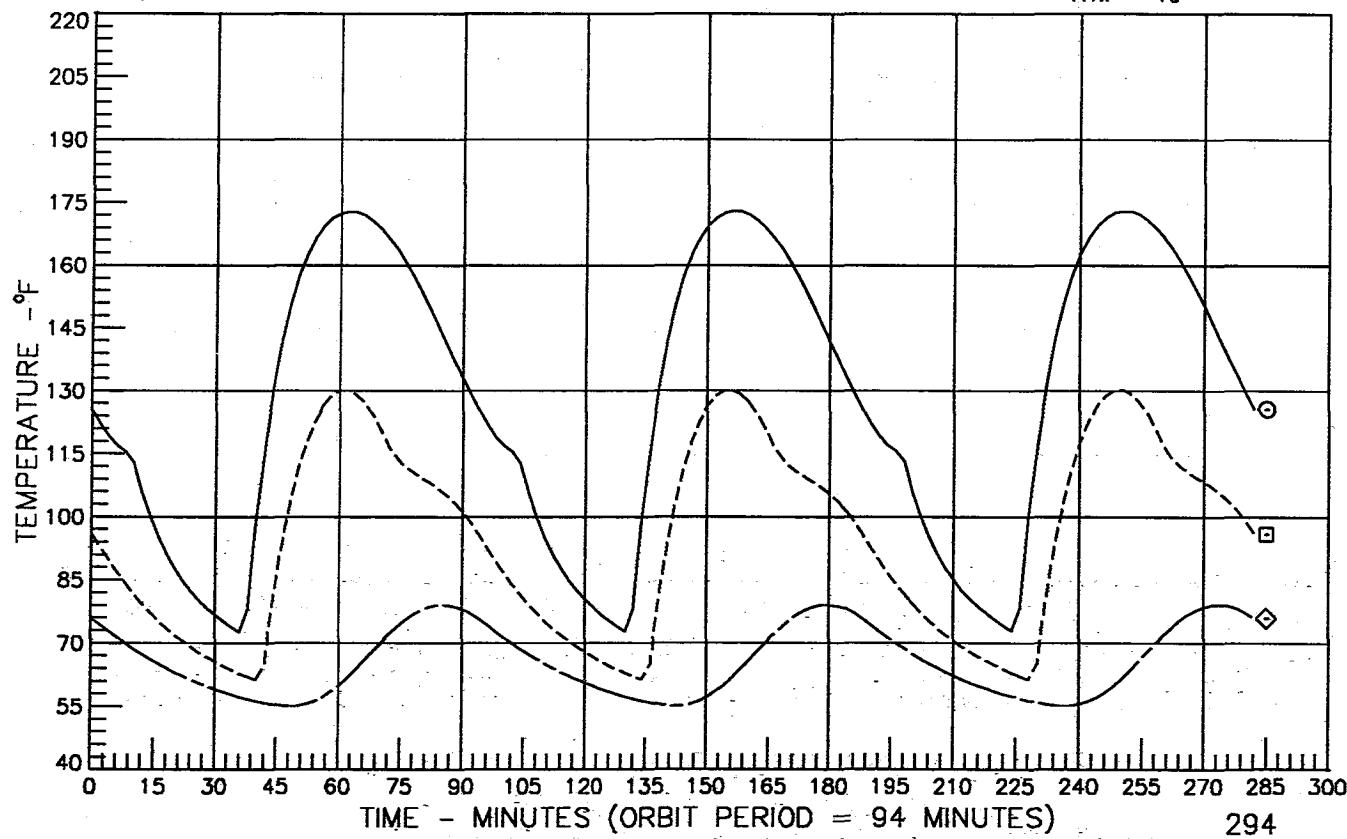
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

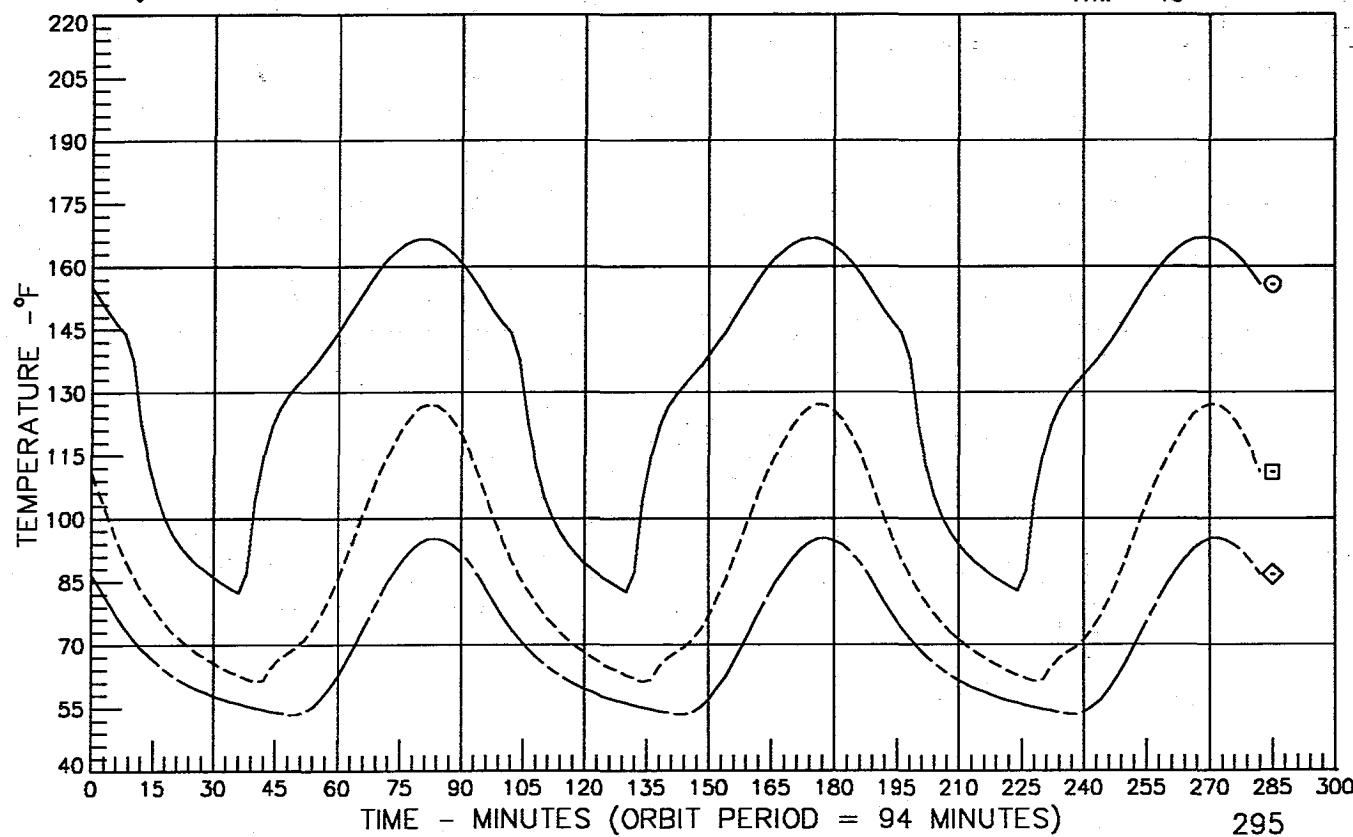
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE END THERMAL PANEL SIDE ROW 12

○ ————— 317 +52° BETA ANGLE  
□ ----- 317 0° BETA ANGLE  
◊ ----- 317 -52° BETA ANGLE

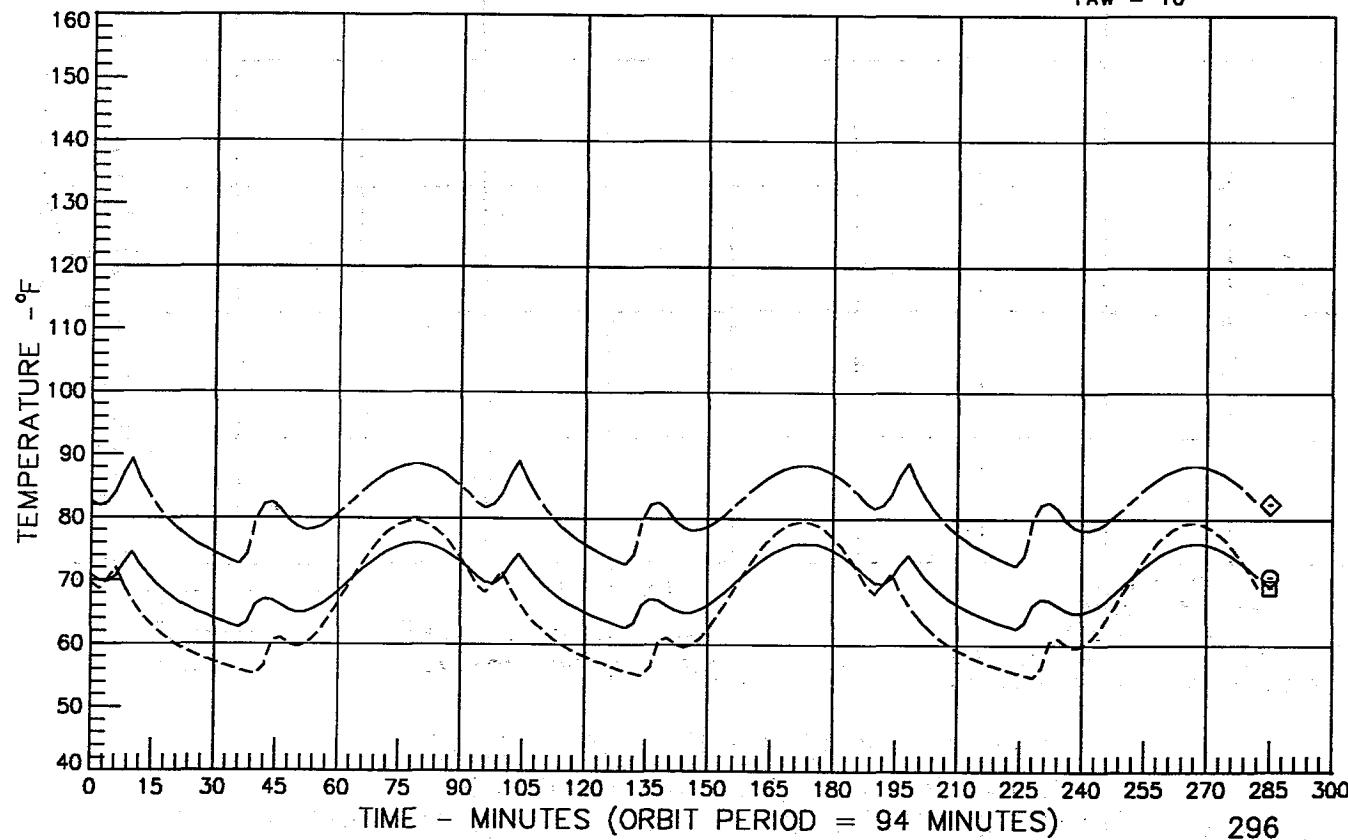
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH DUMMY COVER PLATE LEADING EDGE

○——— 256 +52° BETA ANGLE  
□----- 256 0° BETA ANGLE  
◊----- 256 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH DUMMY COVER PLATE CENTER

○ ————— 257 +52° BETA ANGLE

□ - - - - - 257 0° BETA ANGLE

◇ - - - - - 257 -52° BETA ANGLE

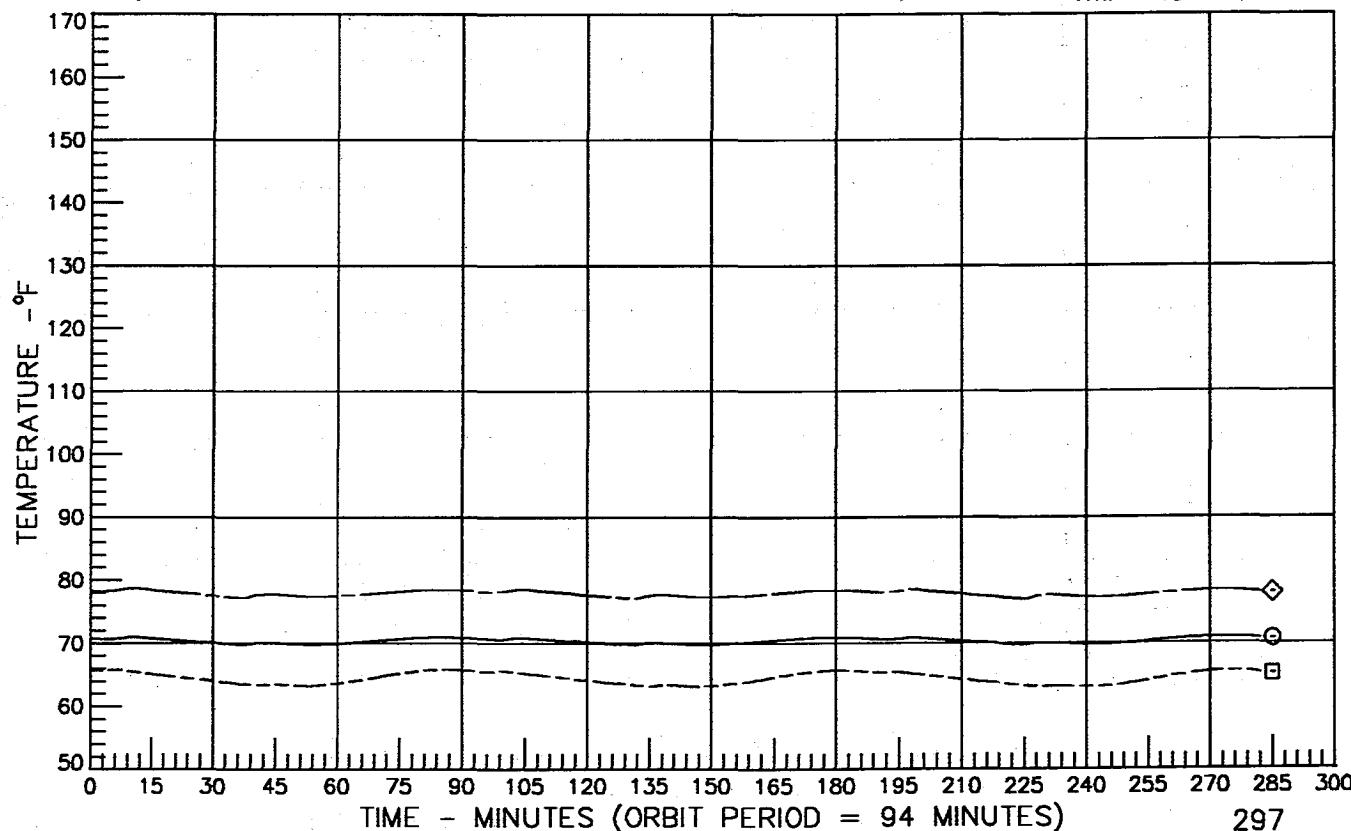
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

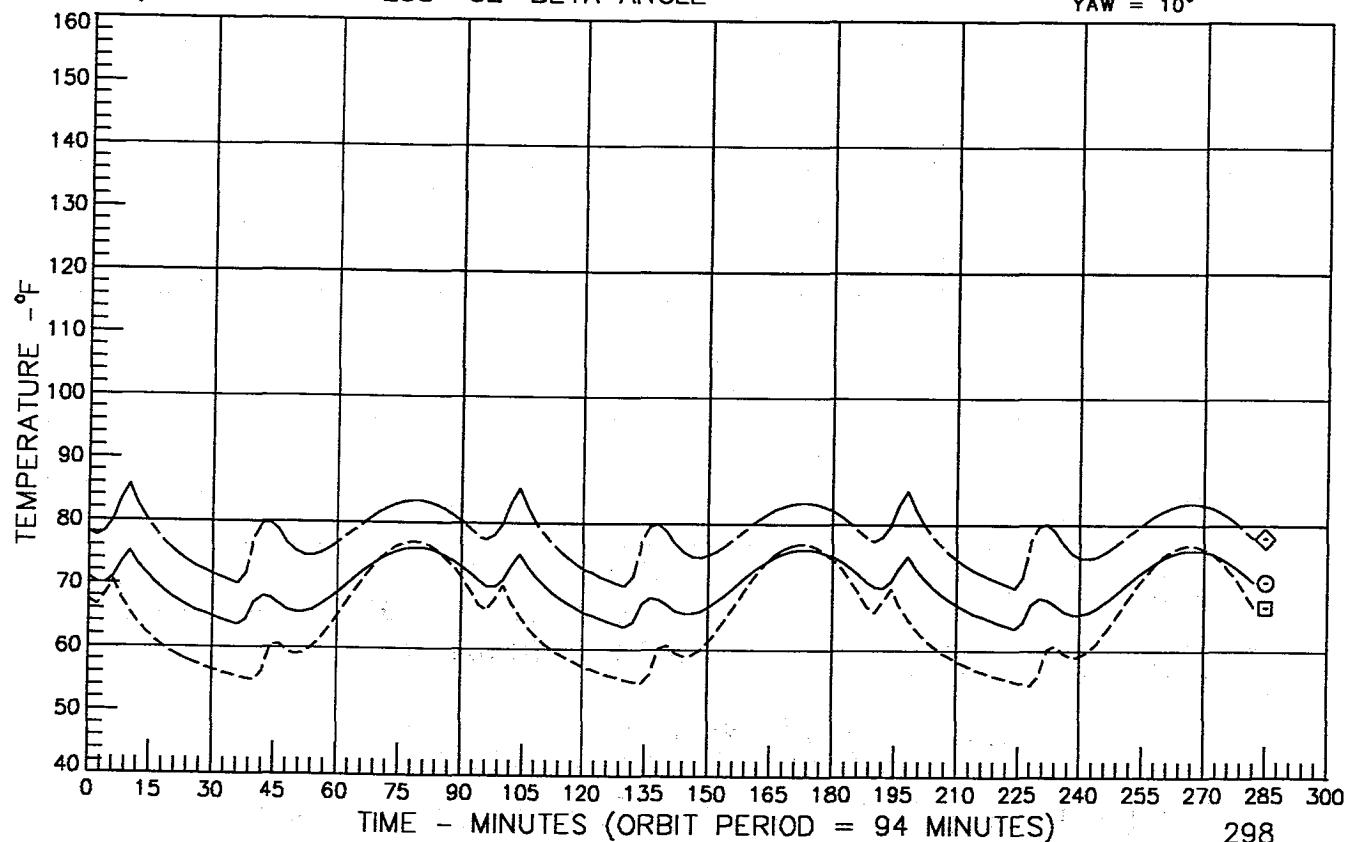
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
EARTH DUMMY COVER PLATE TRAILING EDGE

○——— 258 +52° BETA ANGLE  
□----- 258 0° BETA ANGLE  
◊----- 258 -52° BETA ANGLE

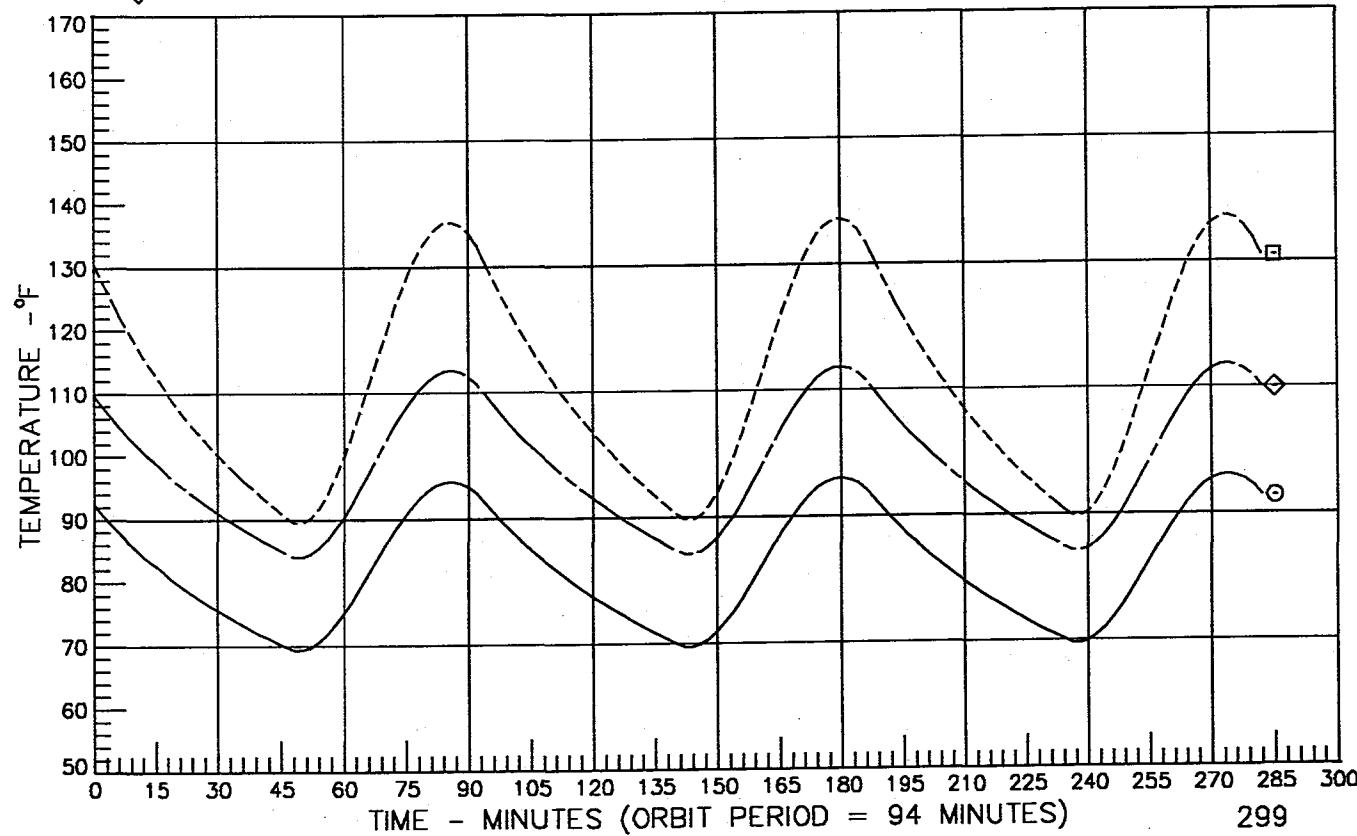
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
SPACE DUMMY COVER PLATE CENTER

○ ————— 267 +52° BETA ANGLE  
□ ————— 267 0° BETA ANGLE  
◇ ————— 267 -52° BETA ANGLE

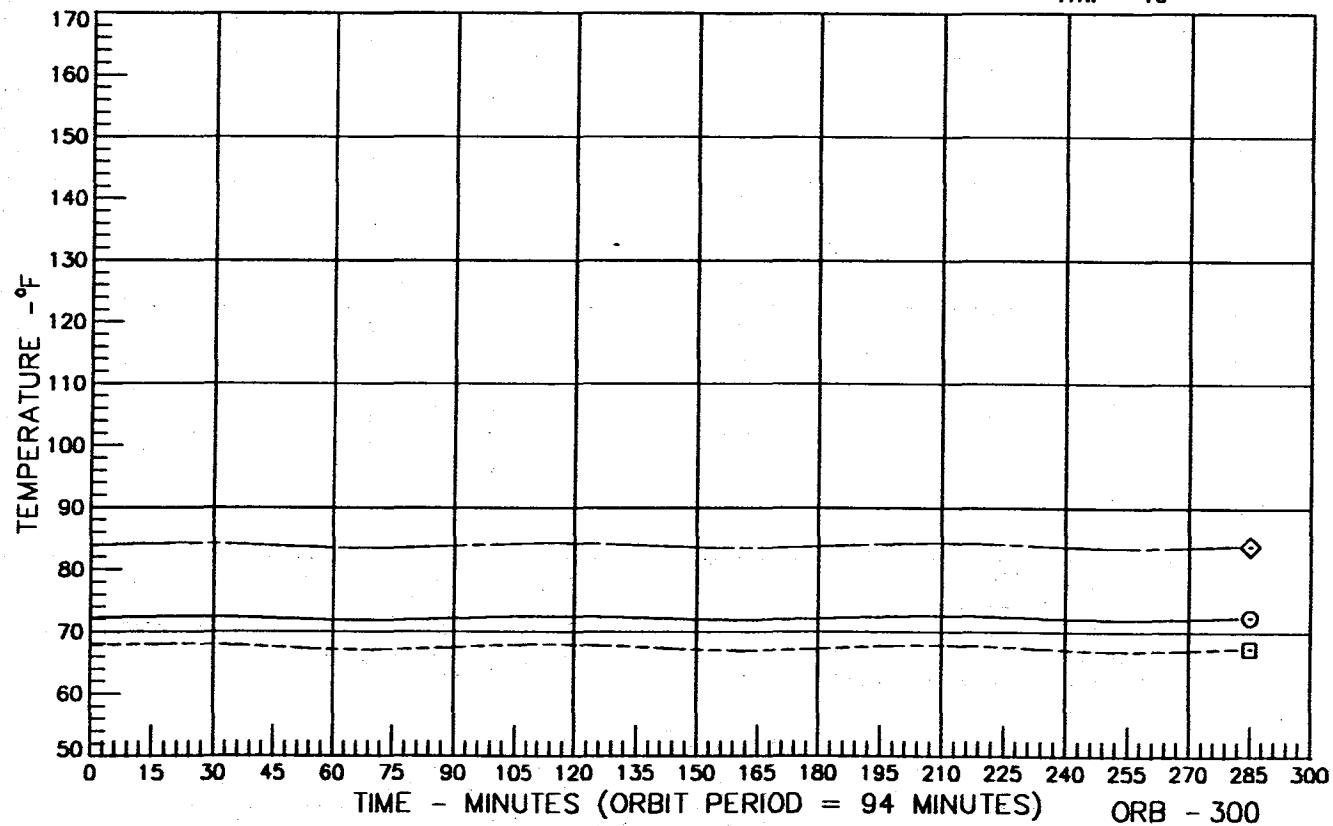
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
DAMPER DOME SHROUD

- ————— 234 +52° BETA ANGLE
- ----- 234 0° BETA ANGLE
- ◊ ----- 234 -52° BETA ANGLE

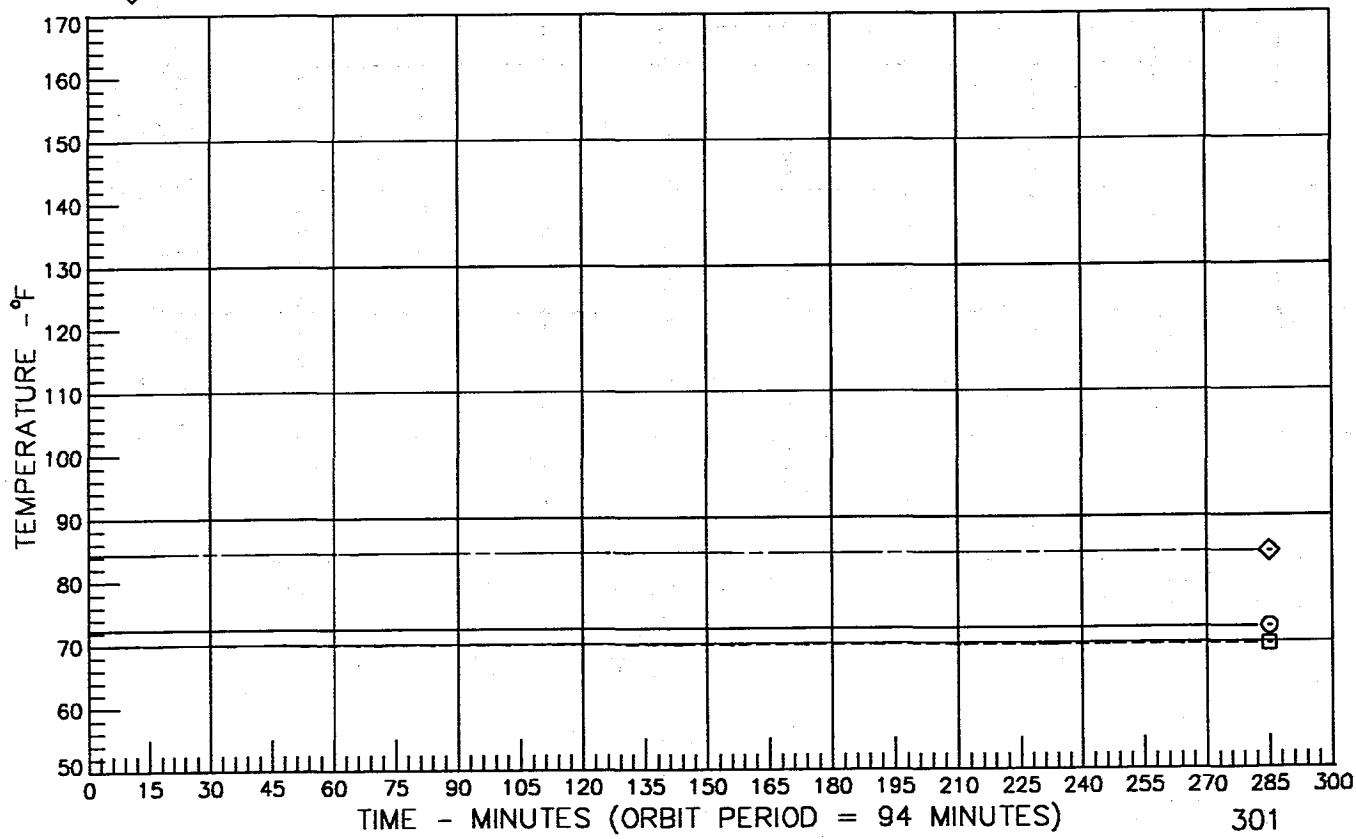
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
MAGNETIC DAMPER

- ————— 235 +52° BETA ANGLE
- ----- 235 0° BETA ANGLE
- ◊ ----- 235 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
BATTERIES FOR A0139-A

○ ————— 236 +52° BETA ANGLE

□ ----- 236 0° BETA ANGLE

◊ ————— 236 -52° BETA ANGLE

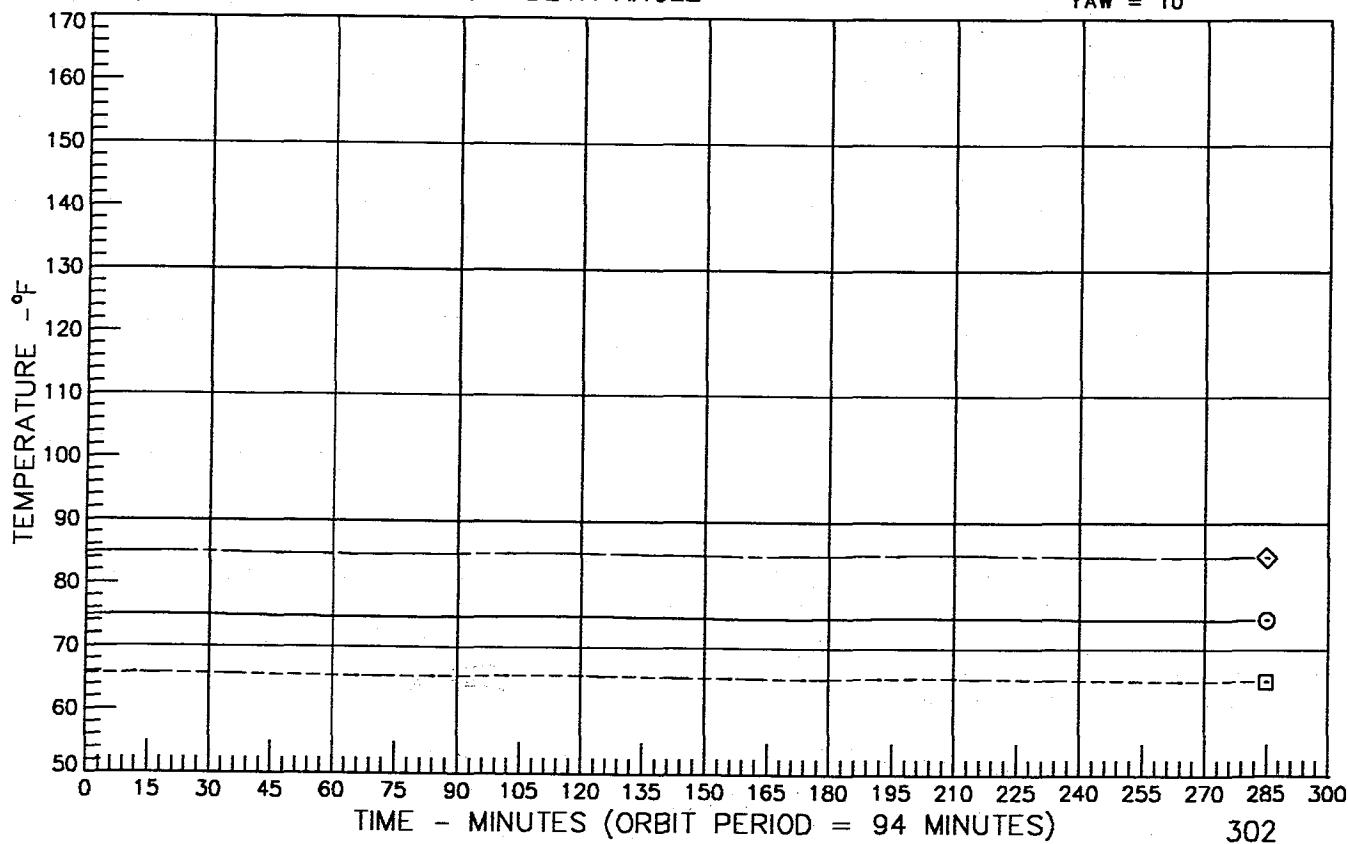
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
TRAILING EDGE MAIN SCUFF PLATE

○ ————— 285 +52° BETA ANGLE

□ ----- 285 0° BETA ANGLE

◊ ————— 285 -52° BETA ANGLE

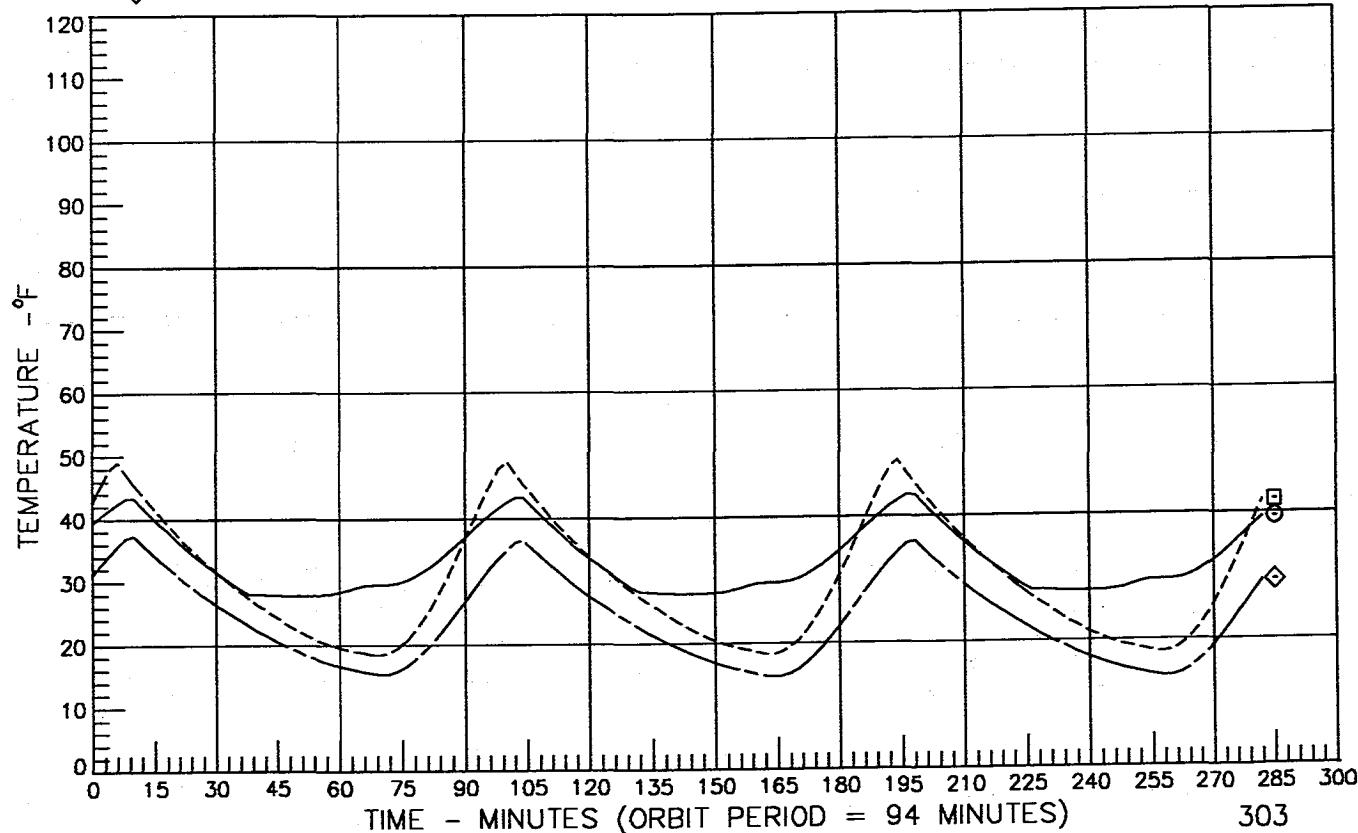
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

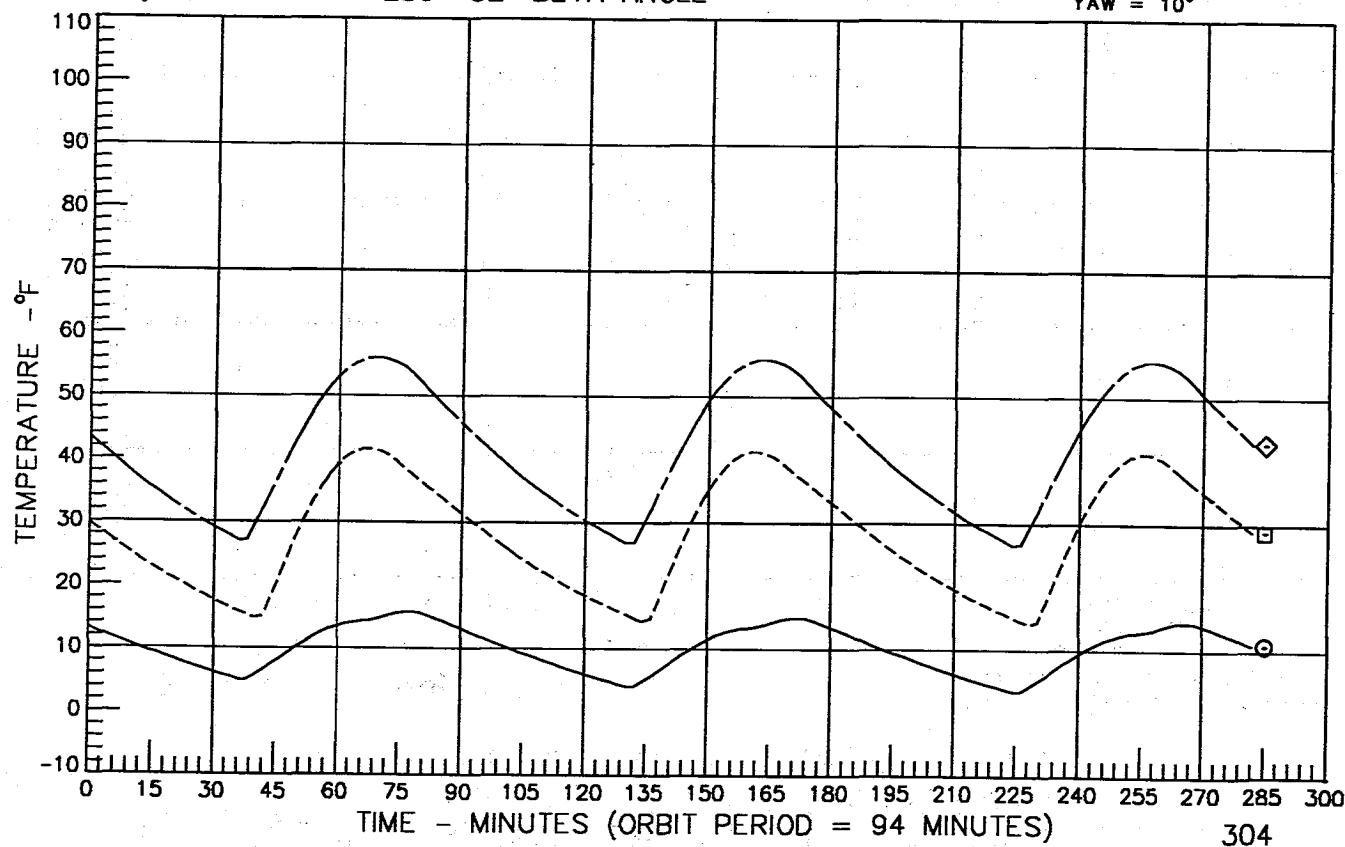
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LEADING EDGE MAIN SCUFF PLATE

○ — 286 +52° BETA ANGLE  
□ - - - - 286 0° BETA ANGLE  
◊ - - - - 286 -52° BETA ANGLE

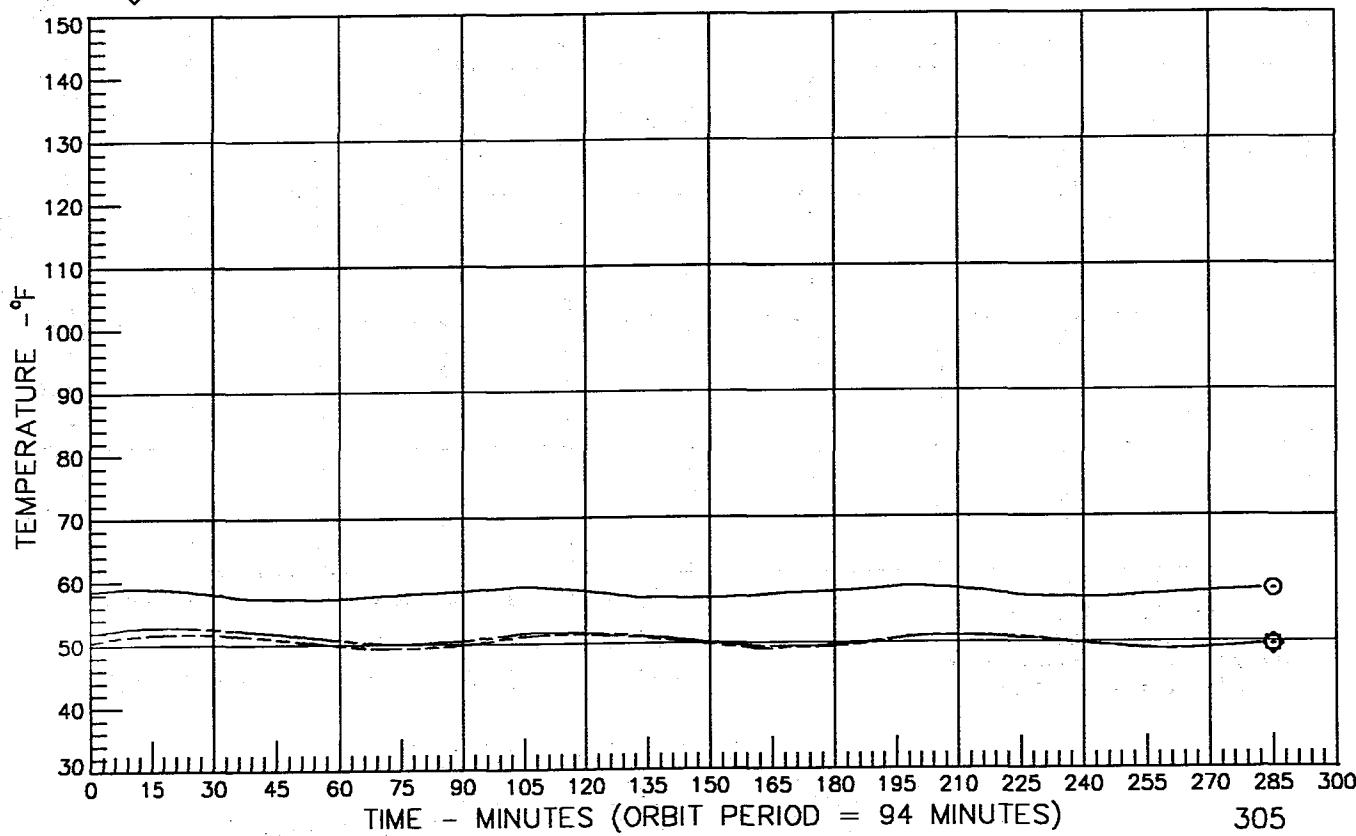
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



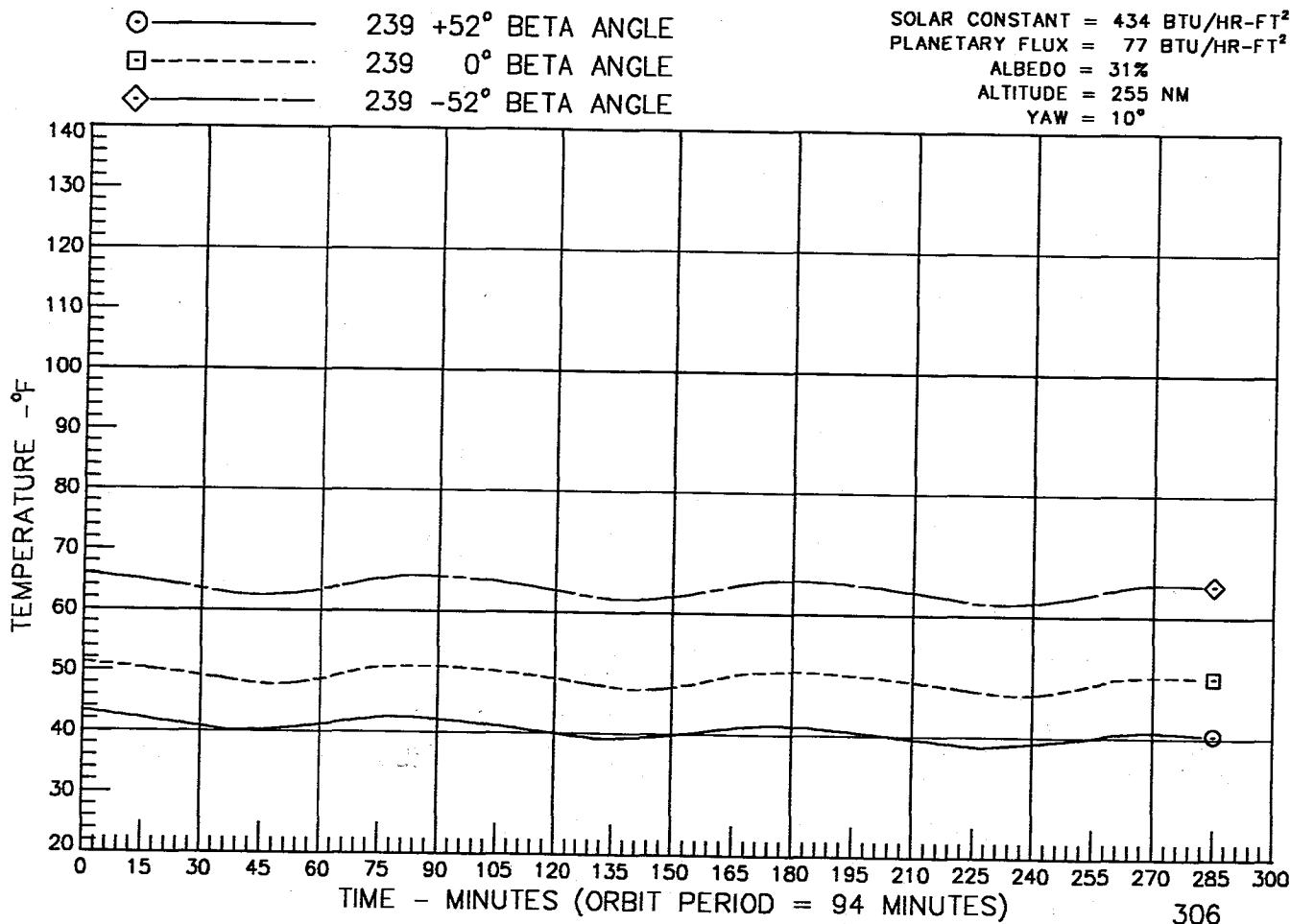
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
TRAILING EDGE MAIN TRUNNION PIN

- ————— 238 +52° BETA ANGLE
- ----- 238 0° BETA ANGLE
- ◊ ----- 238 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LEADING EDGE MAIN TRUNNION PIN



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
TRAILING EDGE END SCUFF PLATE

○ ————— 289 +52° BETA ANGLE

□ - - - - - 289 0° BETA ANGLE

◊ - - - - - 289 -52° BETA ANGLE

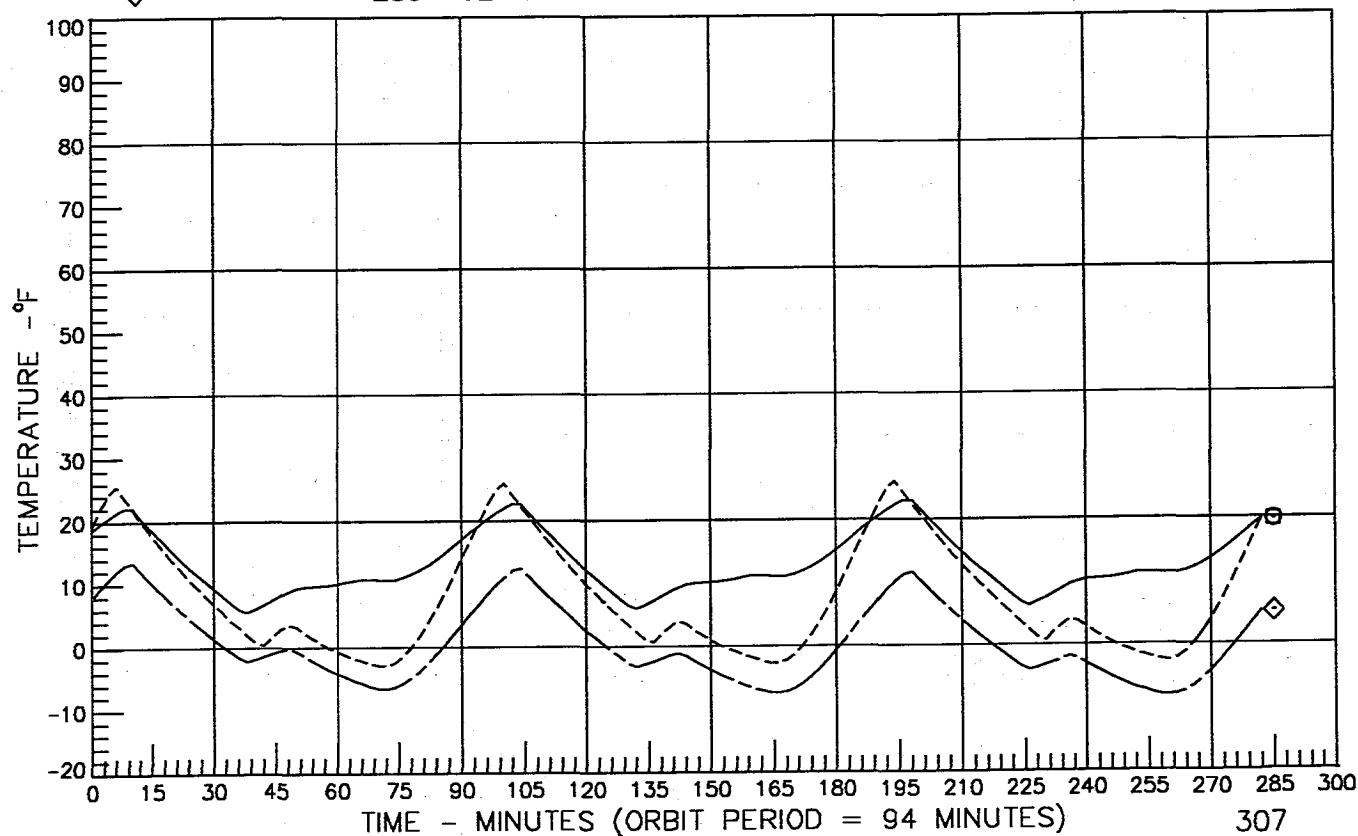
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

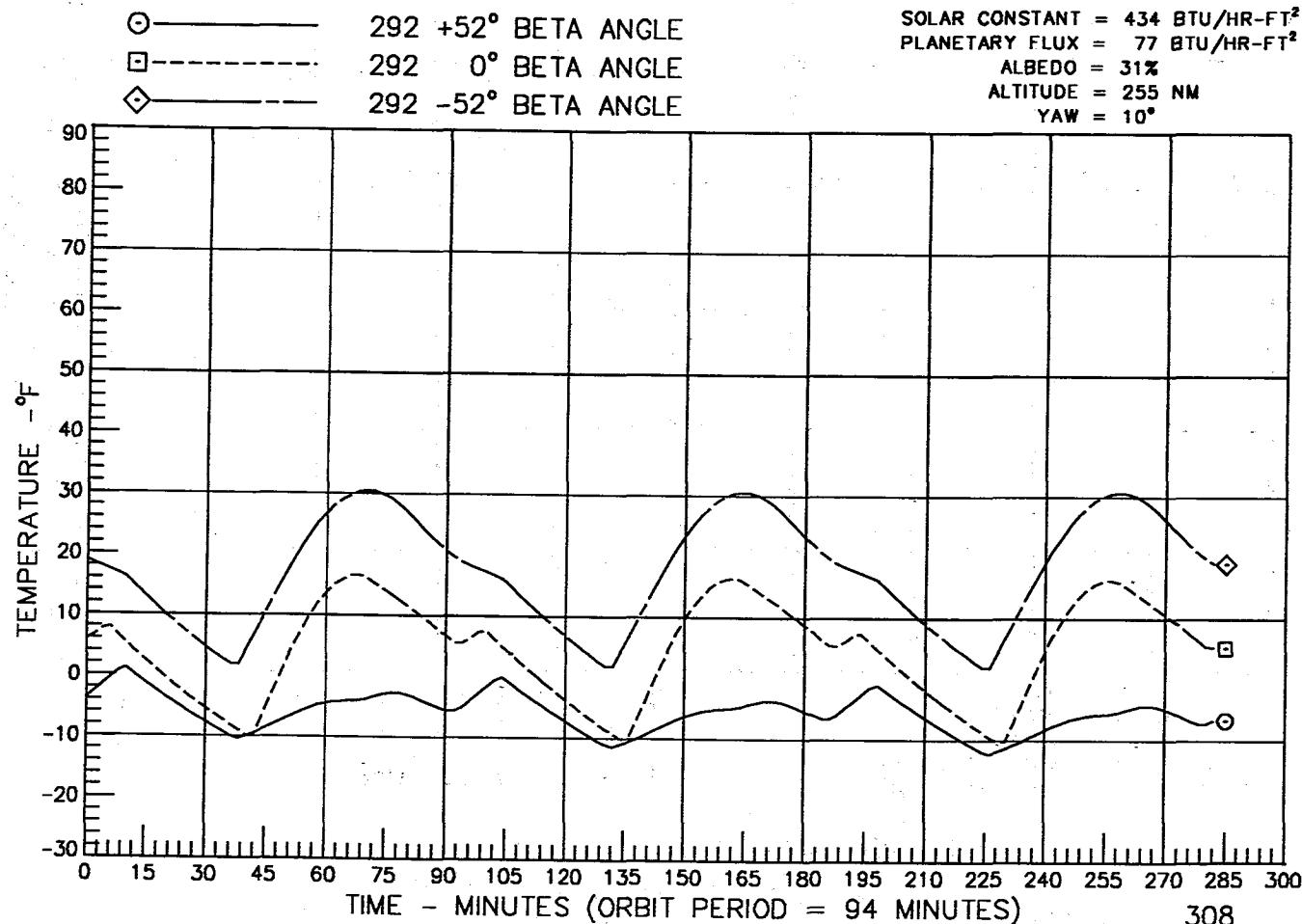
ALBEDO = 31%

ALTITUDE = 255 NM

YAW = 10°



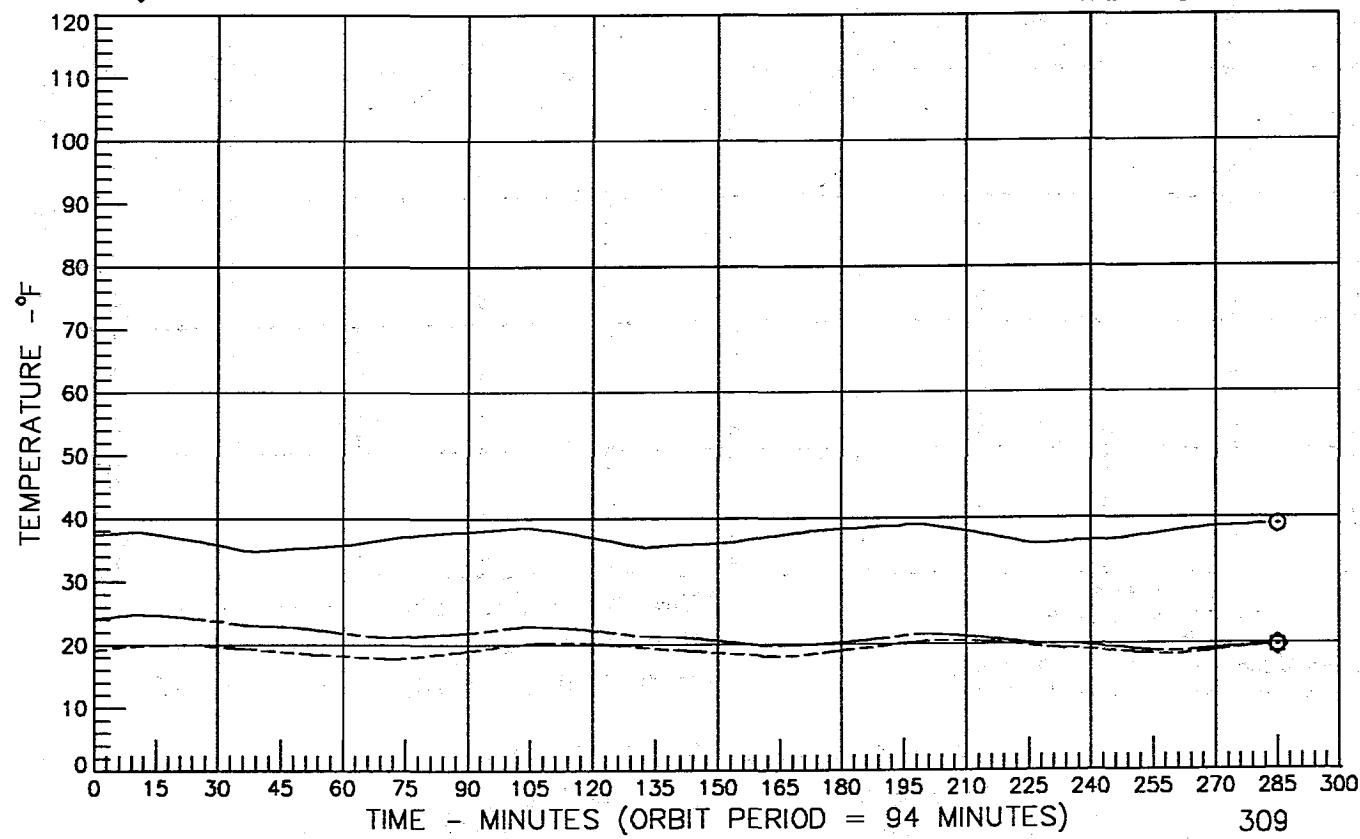
LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LEADING EDGE END SCUFF PLATE



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
TRAILING EDGE END TRUNNION PIN

○——— 290 +52° BETA ANGLE  
□----- 290 0° BETA ANGLE  
◊----- 290 -52° BETA ANGLE

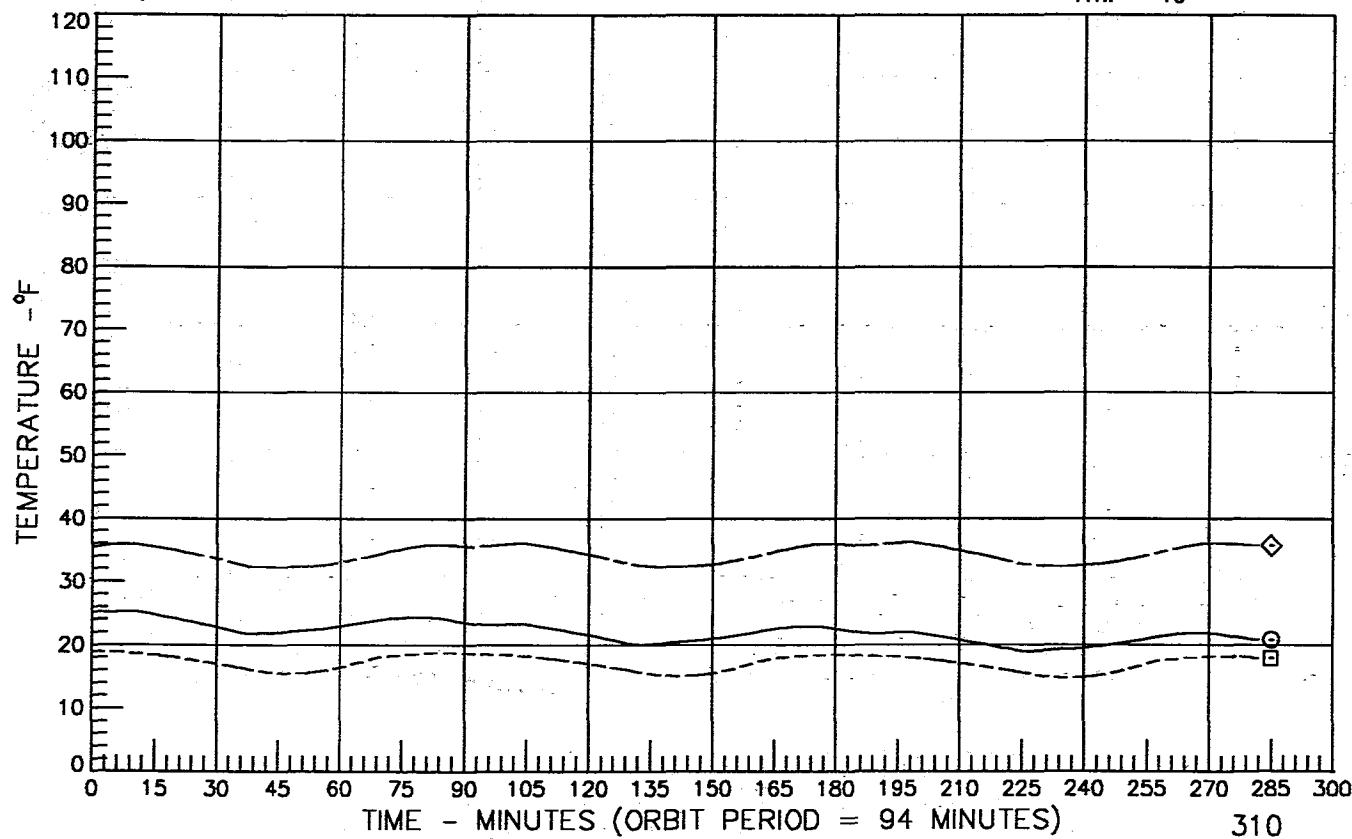
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
LEADING EDGE END TRUNNION PIN

- ————— 293 +52° BETA ANGLE
- ----- 293 0° BETA ANGLE
- ◊ ----- 293 -52° BETA ANGLE

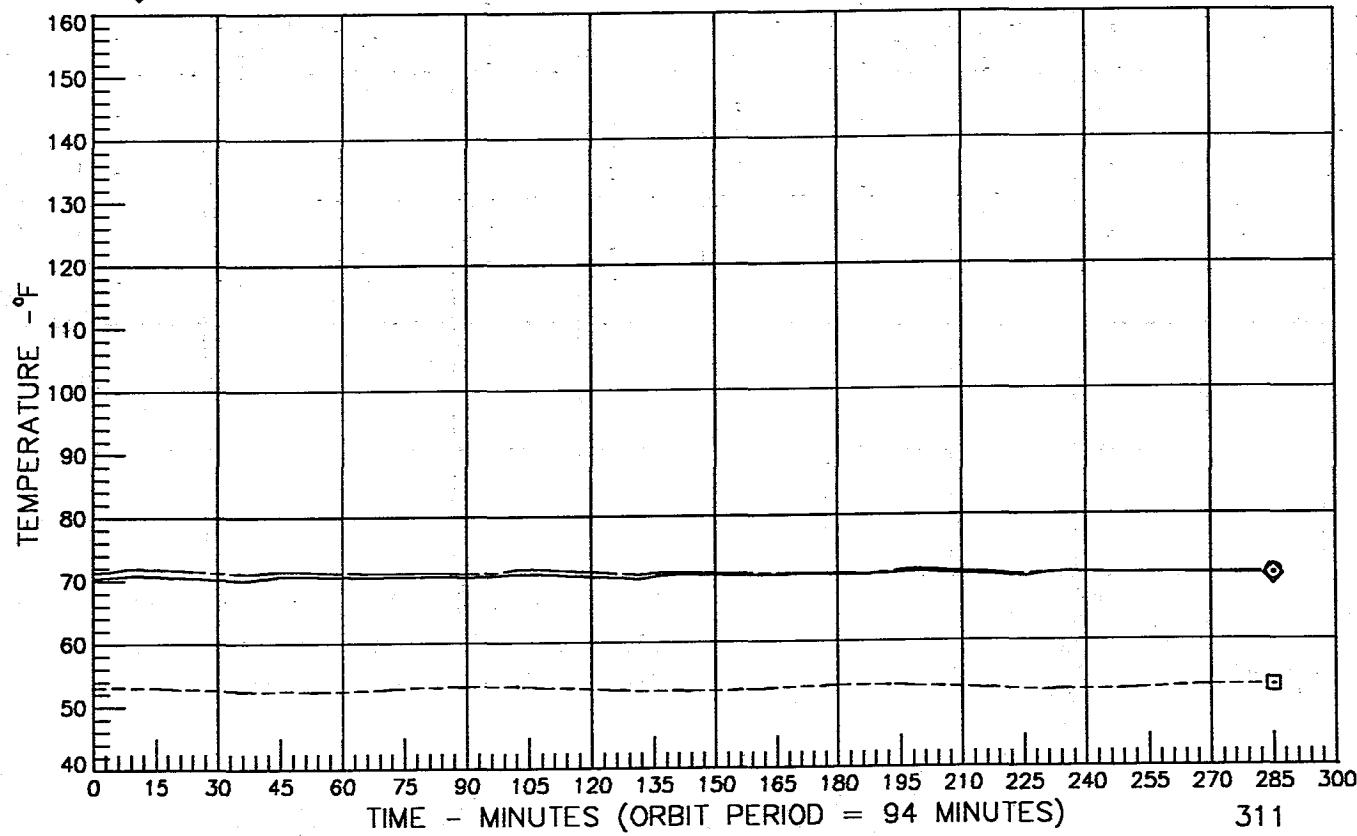
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
END SUPPORT BEAM TRAILING EDGE

- ————— 287 +52° BETA ANGLE
- ----- 287 0° BETA ANGLE
- ◇ ----- 287 -52° BETA ANGLE

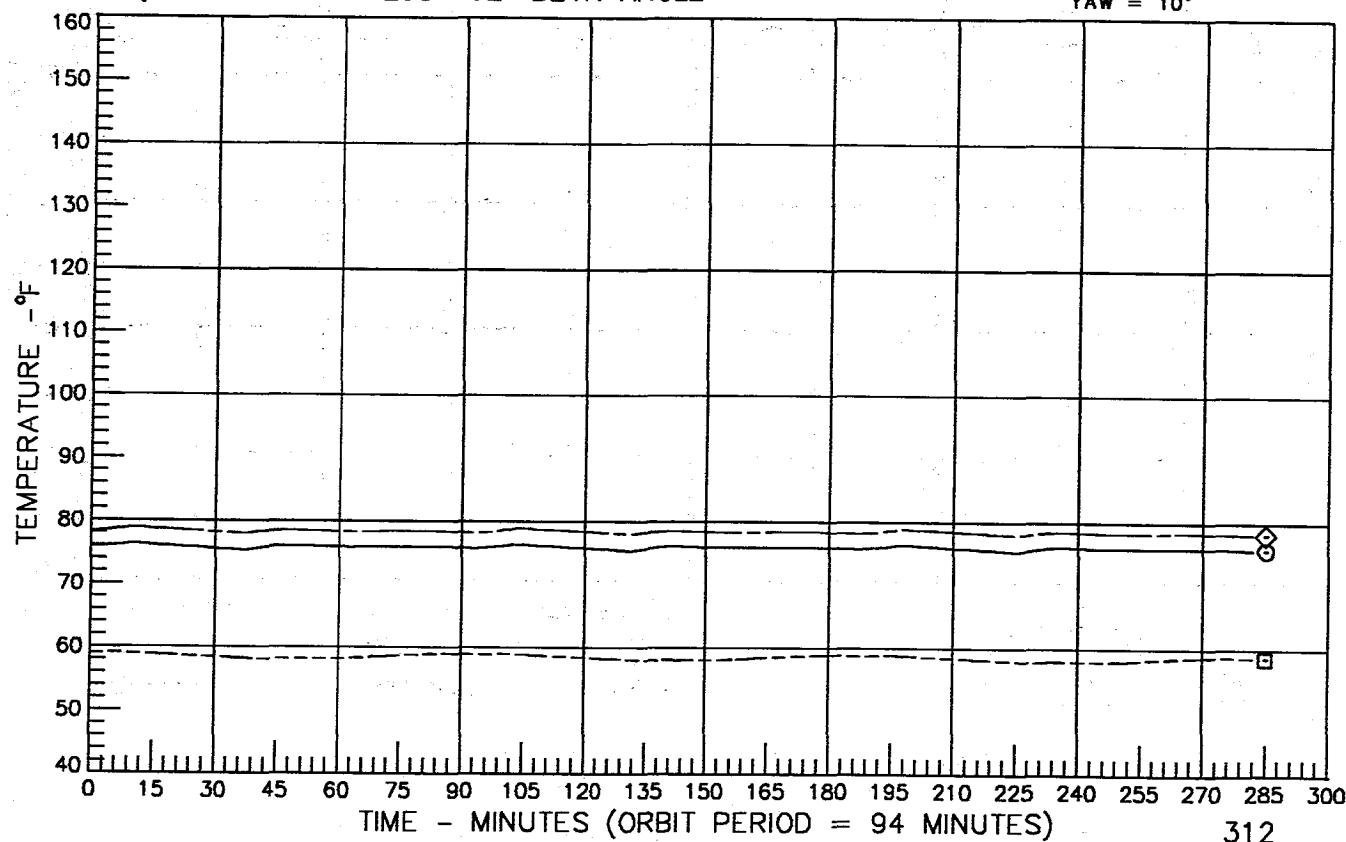
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX. = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
END SUPPORT BEAM CENTER BAR

○ ————— 288 +52° BETA ANGLE  
□ ----- 288 0° BETA ANGLE  
◊ ----- 288 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
END SUPPORT BEAM LEADING EDGE

○----- 291 +52° BETA ANGLE

□----- 291 0° BETA ANGLE

◊----- 291 -52° BETA ANGLE

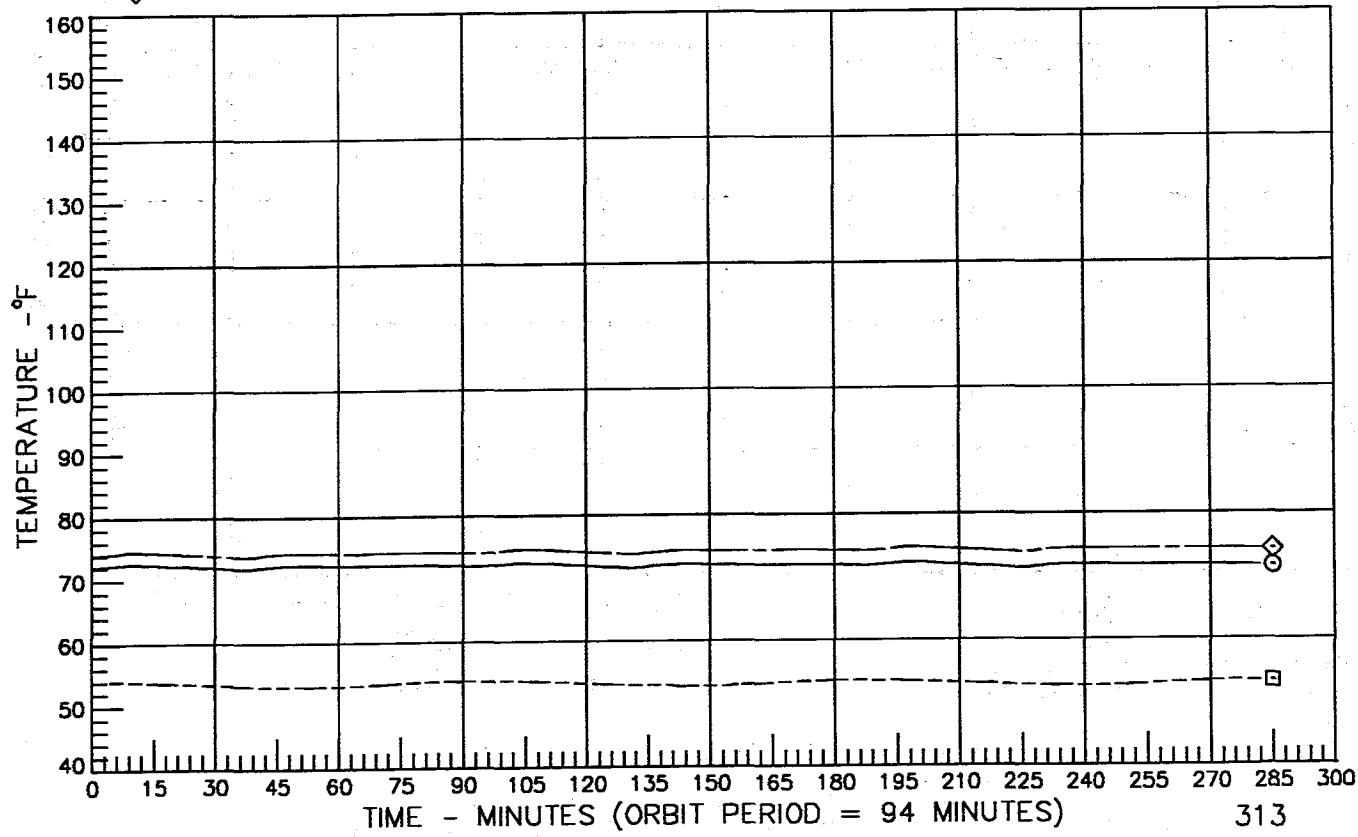
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

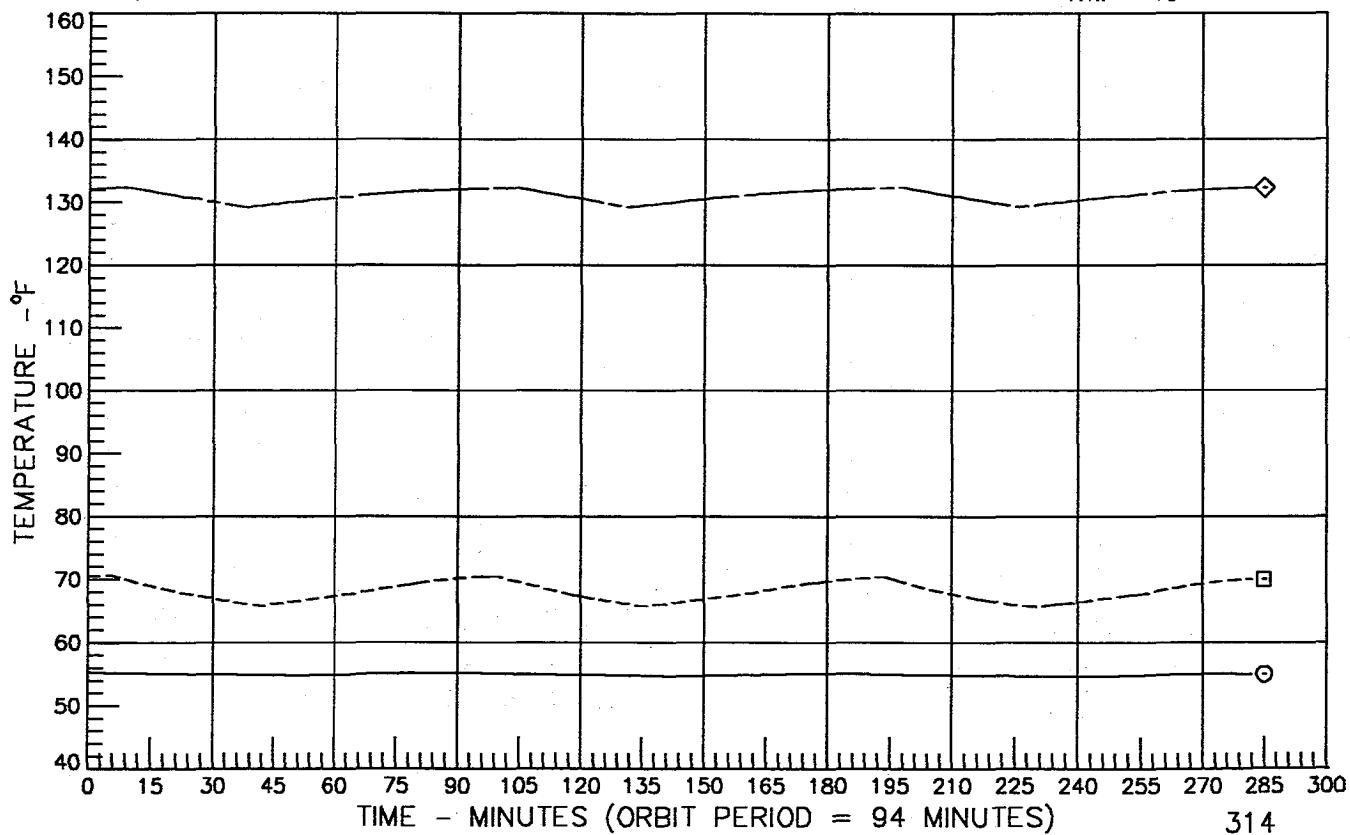
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
KEEL PIN

- ————— 270 +52° BETA ANGLE
- ----- 270 0° BETA ANGLE
- ◊ ————— 270 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
AVERAGE FOR TRAYS 1 - 72 AVERAGE

-

+52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

— — — — —

0° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

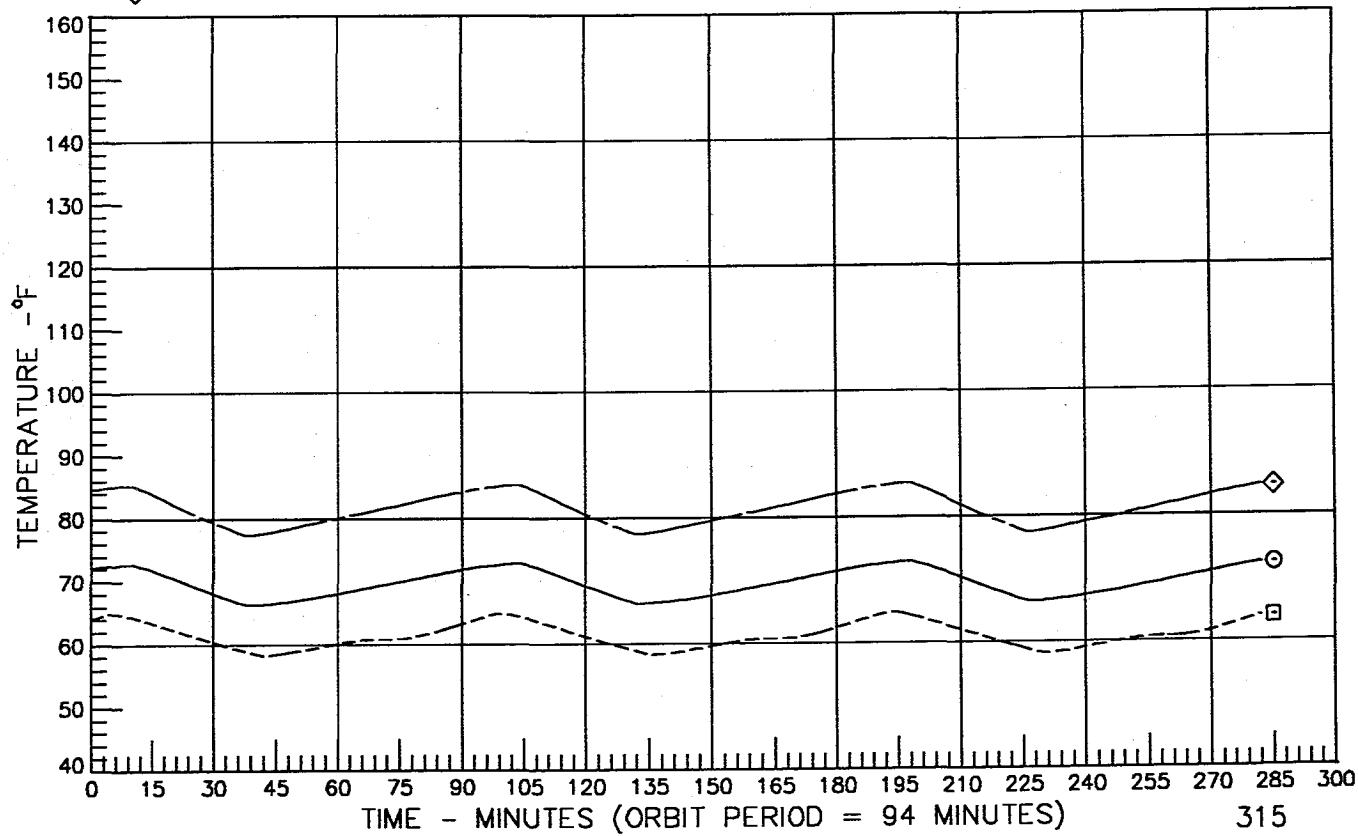
—

-52° BETA ANGLE

ALBEDO = 31%

ALTITUDE = 255 NM  
YAW = 10°

1AW - 10

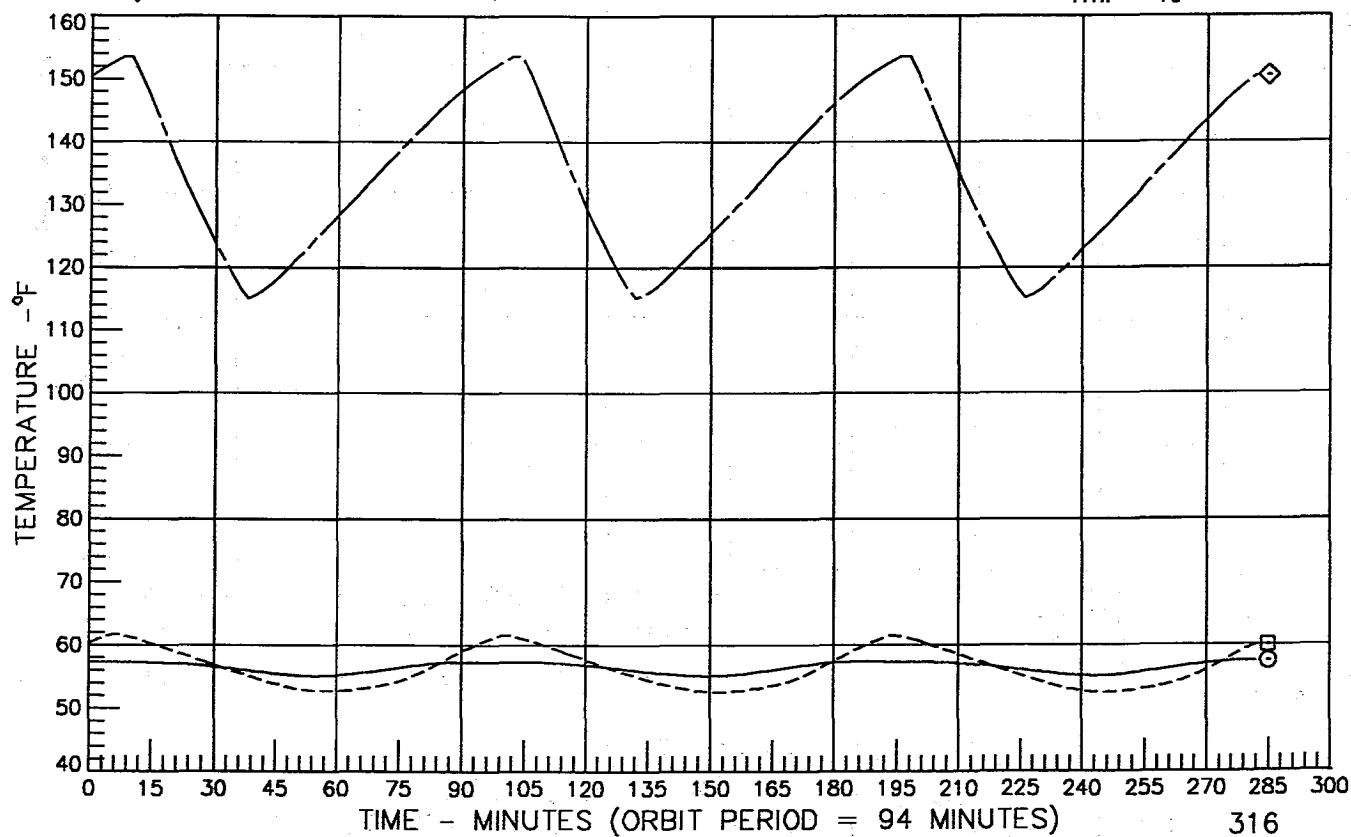


LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
T/C NODE LG 6-7 AT B6

○ ————— 326 +52° BETA ANGLE  
□ ----- 326 0° BETA ANGLE  
◊ ----- 326 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°

E-316



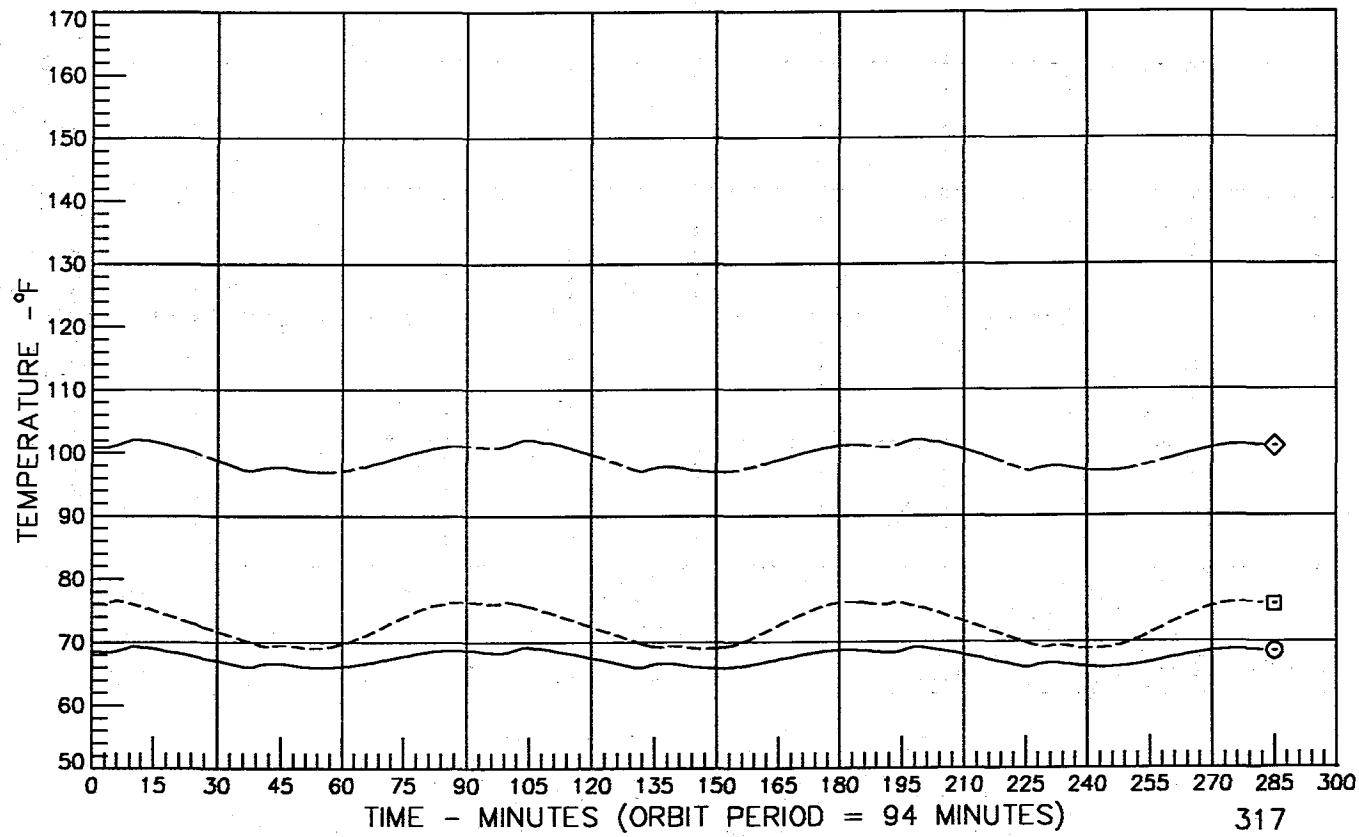
TIME - MINUTES (ORBIT PERIOD = 94 MINUTES)

316

LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
T/C NODE EARTH END AT 202

- ————— 327 +52° BETA ANGLE
- ----- 327 0° BETA ANGLE
- ◊ ----- 327 -52° BETA ANGLE

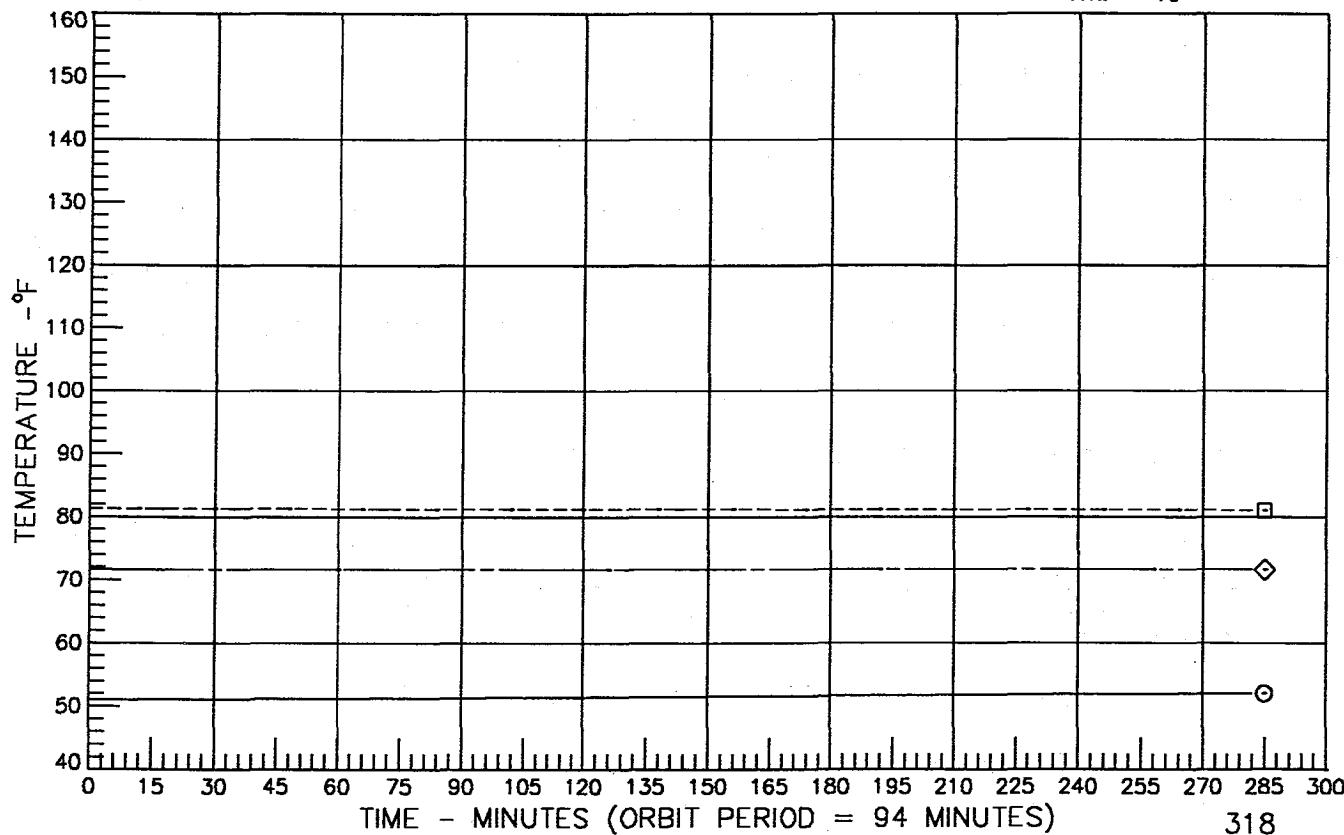
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
INTERIOR STRUTS

○ ————— 318 +52° BETA ANGLE  
□ ————— 318 0° BETA ANGLE  
◊ ————— 318 -52° BETA ANGLE

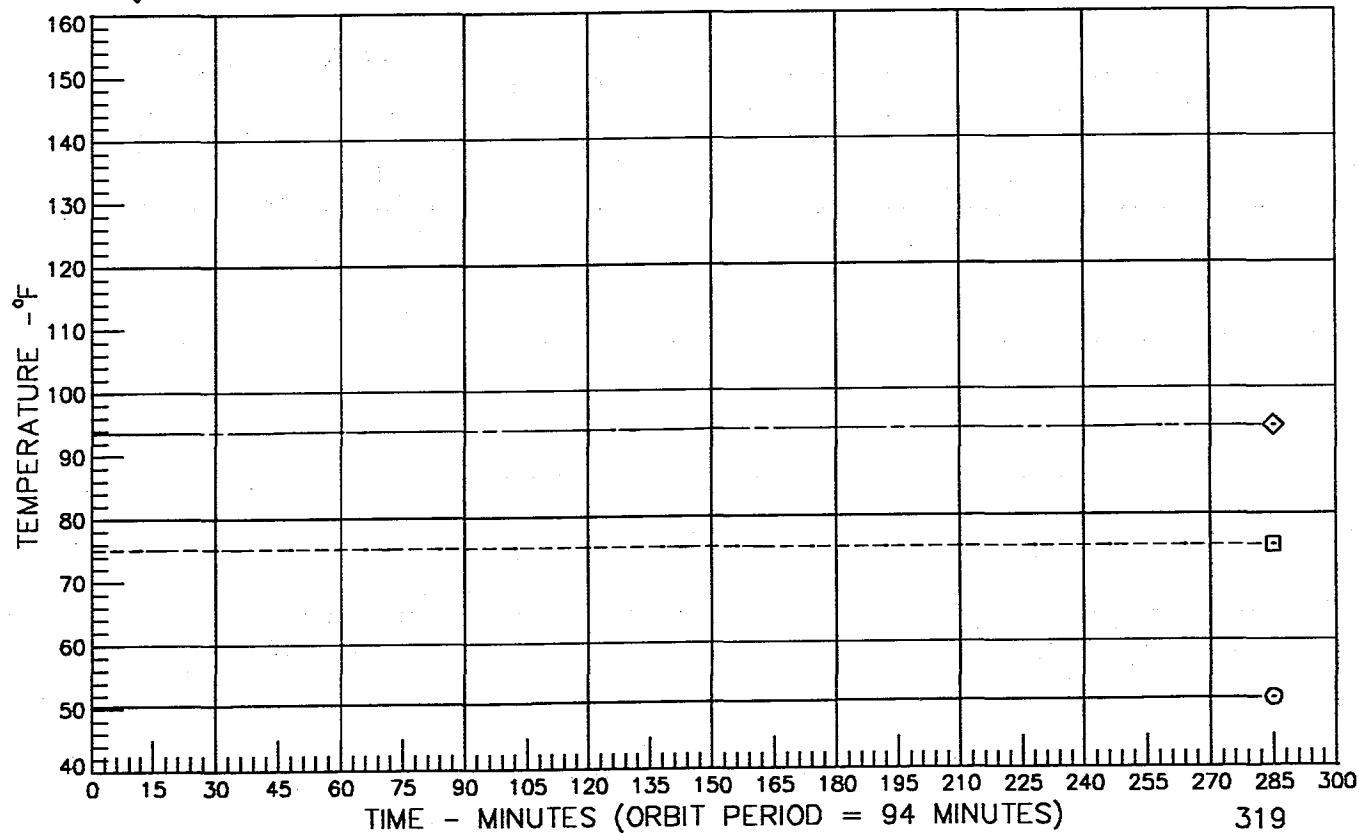
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
INTERIOR STRUTS

○ ————— 319 +52° BETA ANGLE  
□ ————— 319 0° BETA ANGLE  
◊ ————— 319 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
INTERIOR STRUTS

○ -----

320 +52° BETA ANGLE

□ -----

320 0° BETA ANGLE

◊ -----

320 -52° BETA ANGLE

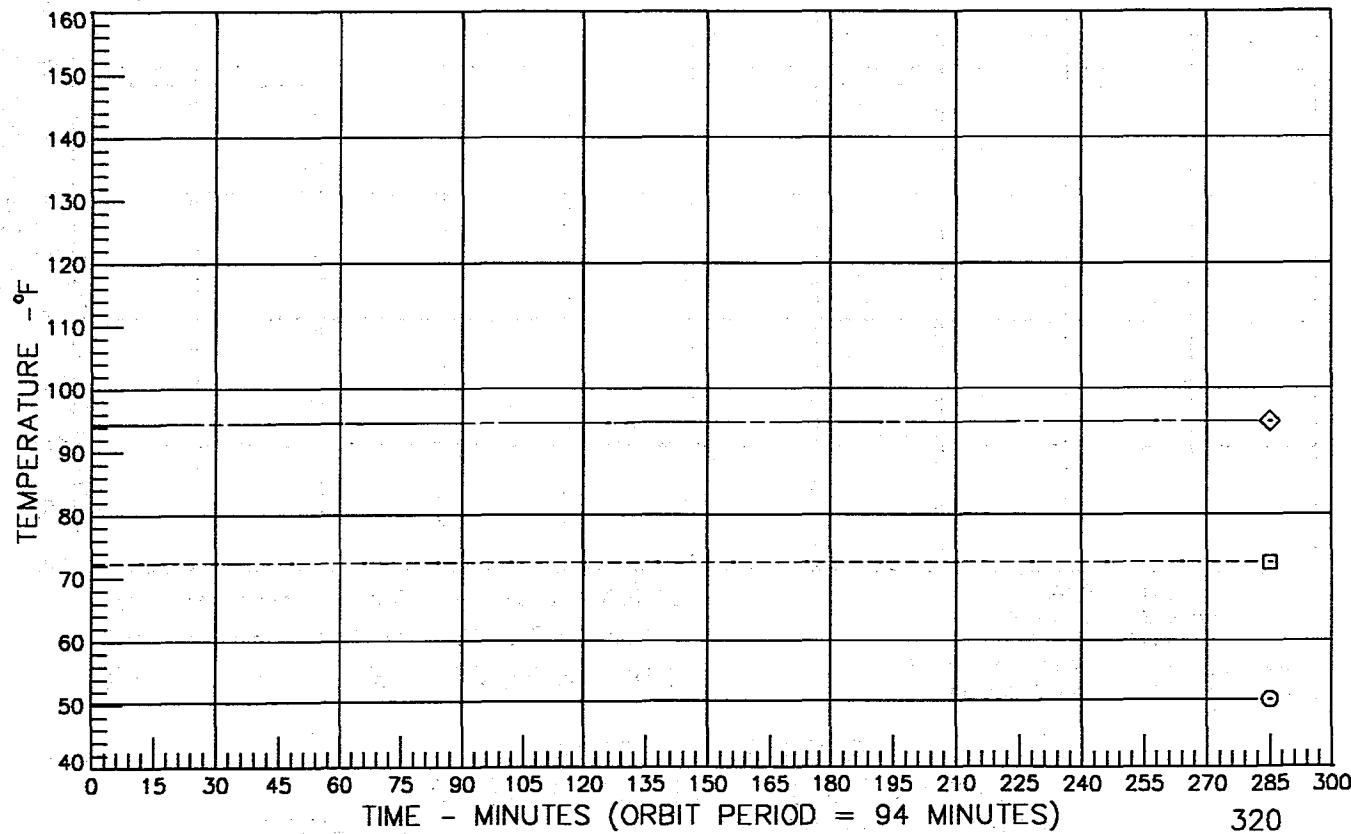
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

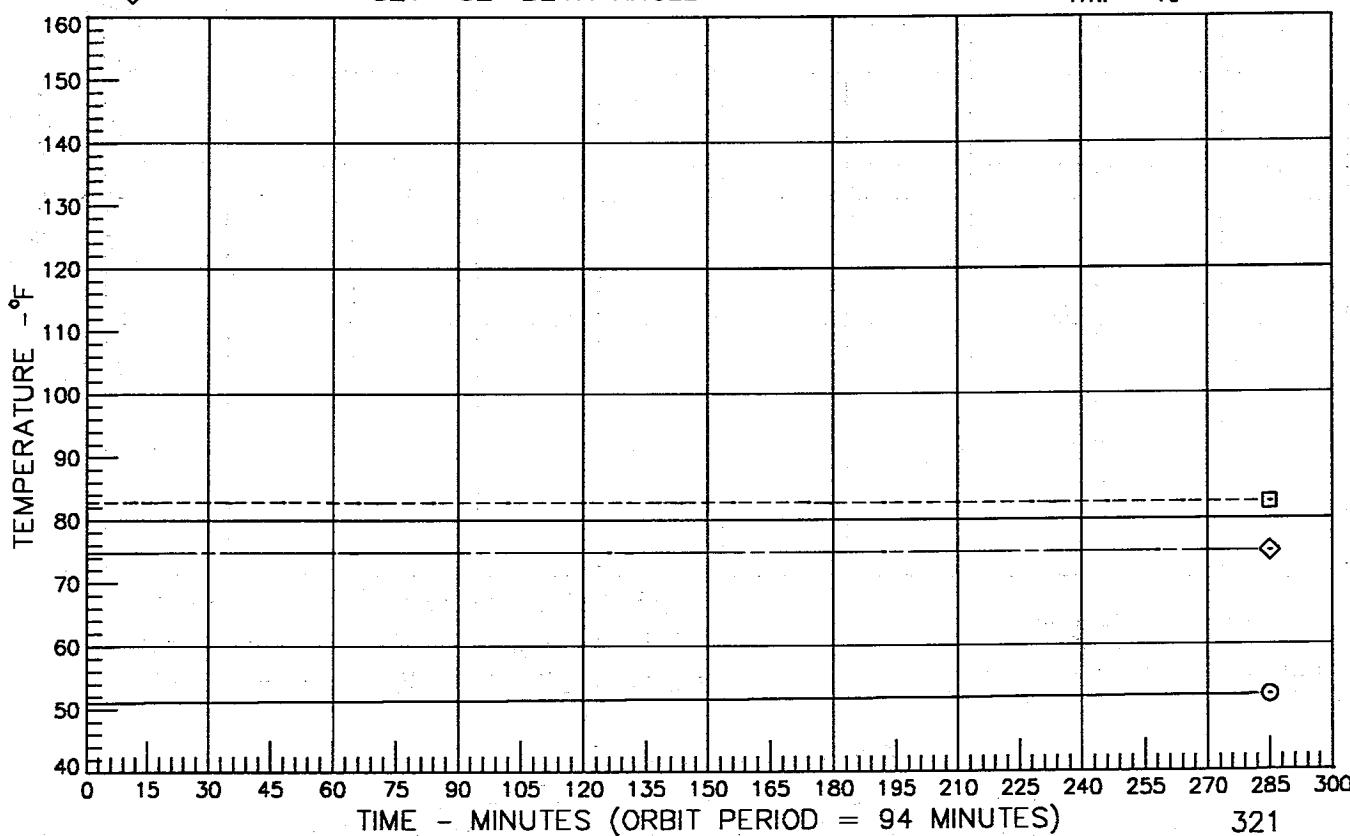
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
INTERIOR STRUTS

○——— 321 +52° BETA ANGLE  
□----- 321 0° BETA ANGLE  
◊----- 321 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
INTERIOR STRUTS

○----- 322 +52° BETA ANGLE

□----- 322 0° BETA ANGLE

◊----- 322 -52° BETA ANGLE

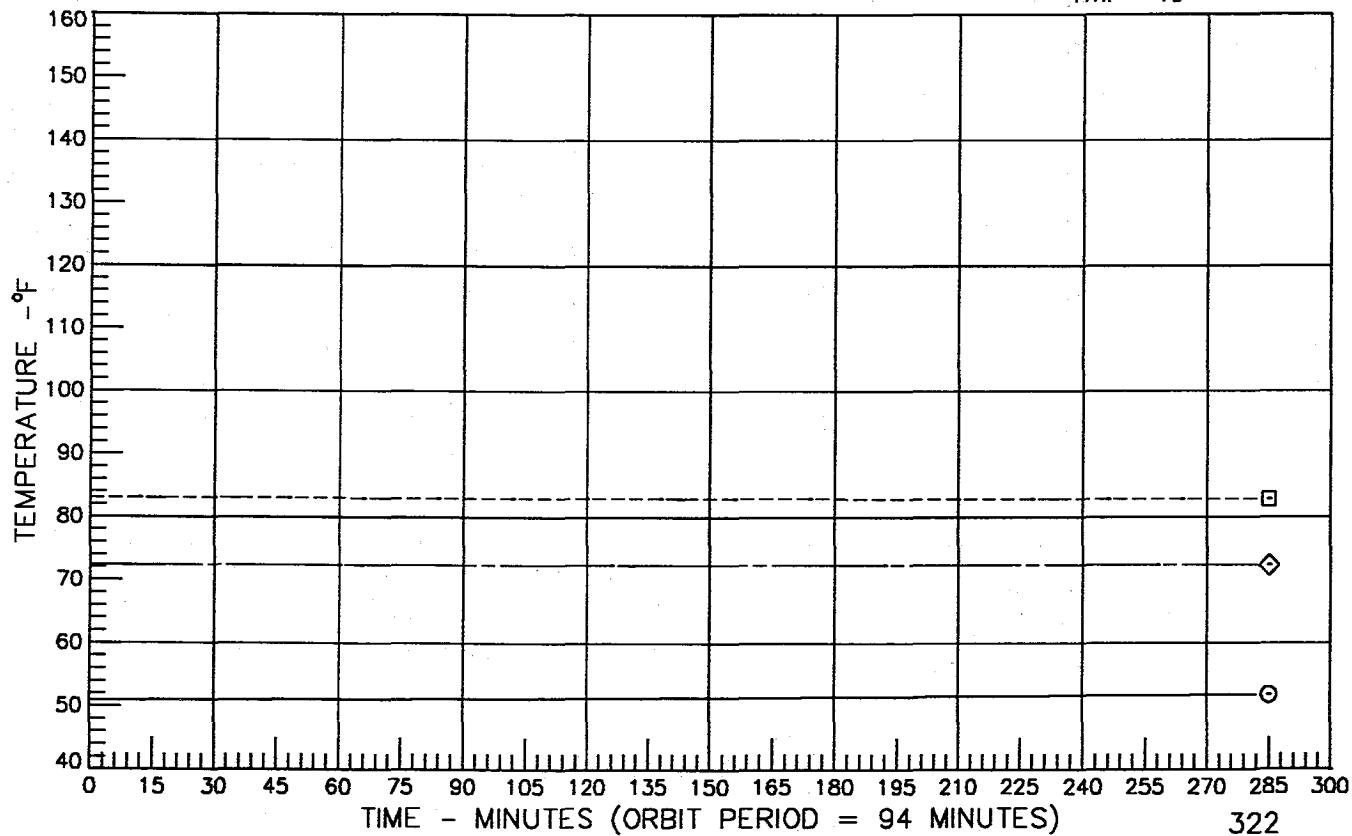
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>

PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>

ALBEDO = 31%

ALTITUDE = 255 NM

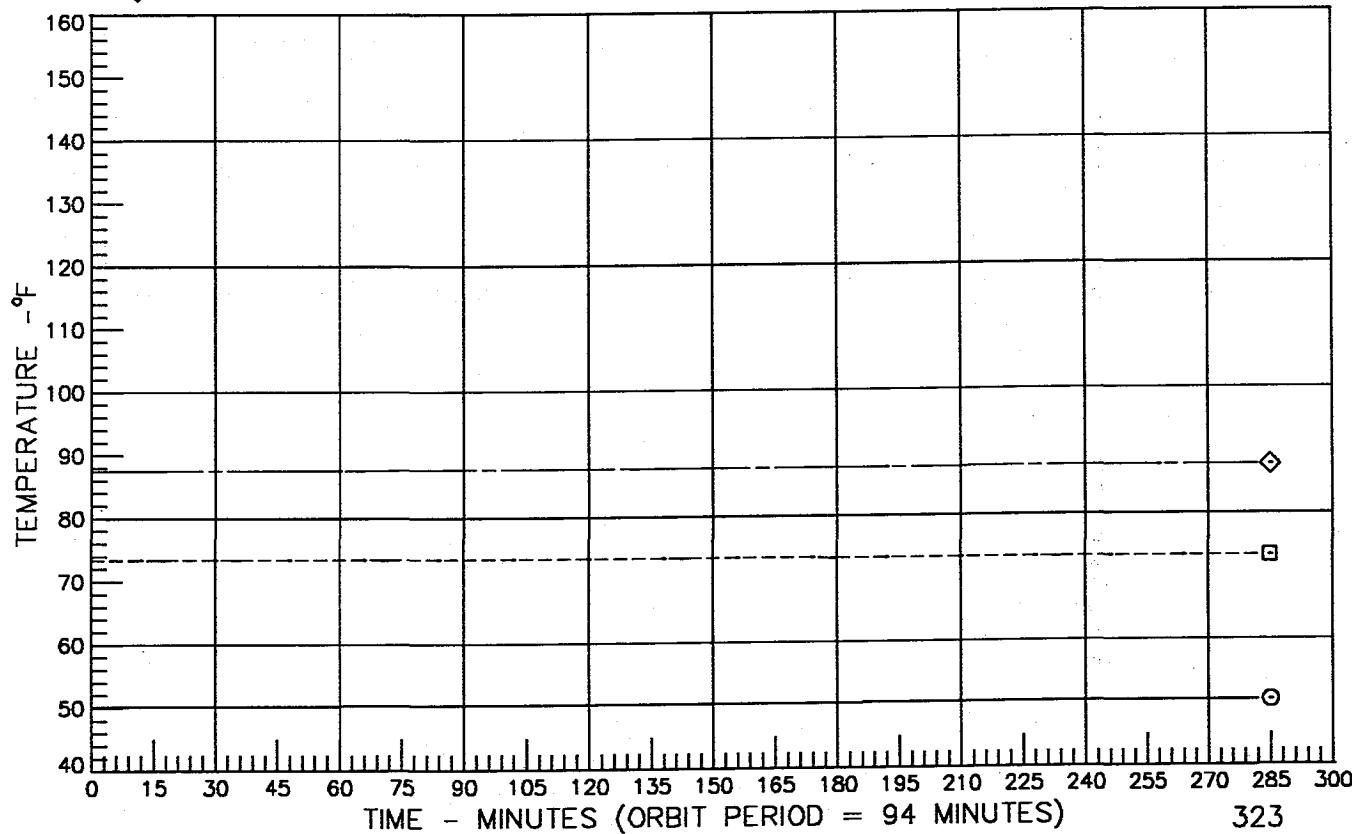
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
INTERIOR STRUTS

○— 323 +52° BETA ANGLE  
□— 323 0° BETA ANGLE  
◊— 323 -52° BETA ANGLE

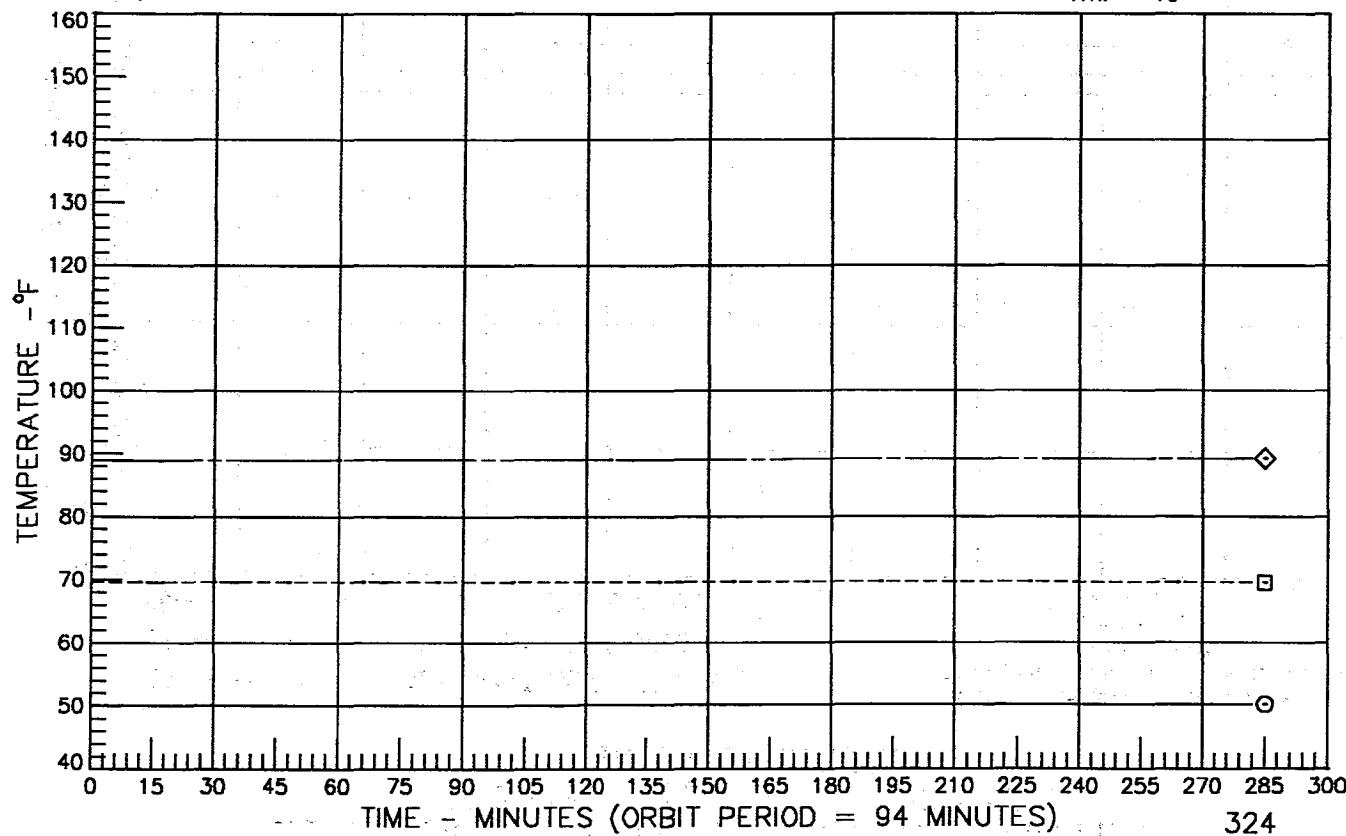
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
INTERIOR STRUTS

○----- 324 +52° BETA ANGLE  
□----- 324 0° BETA ANGLE  
◊----- 324 -52° BETA ANGLE

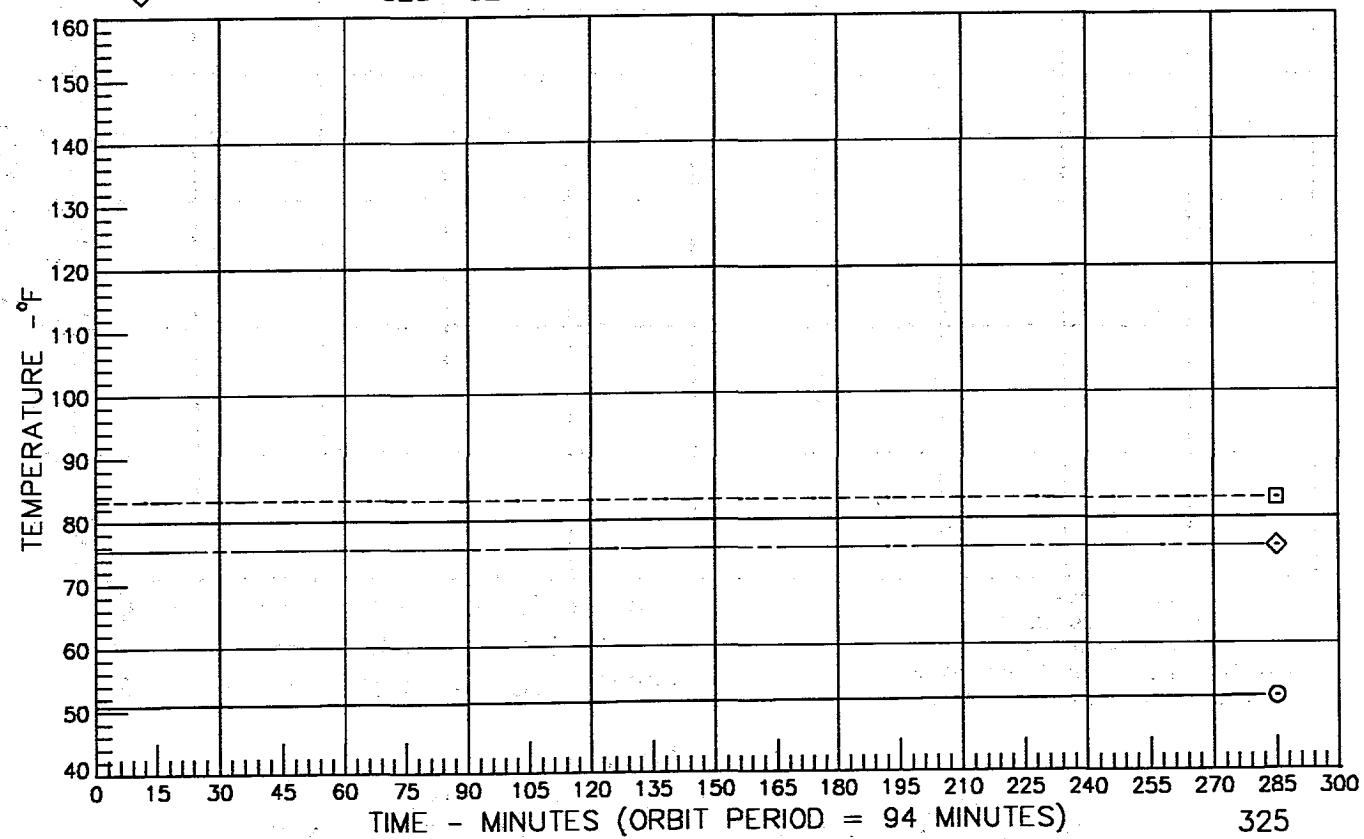
SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



LONG DURATION EXPOSURE FACILITY  
TRANSIENT ORBITAL TEMPERATURES  
INTERIOR STRUTS

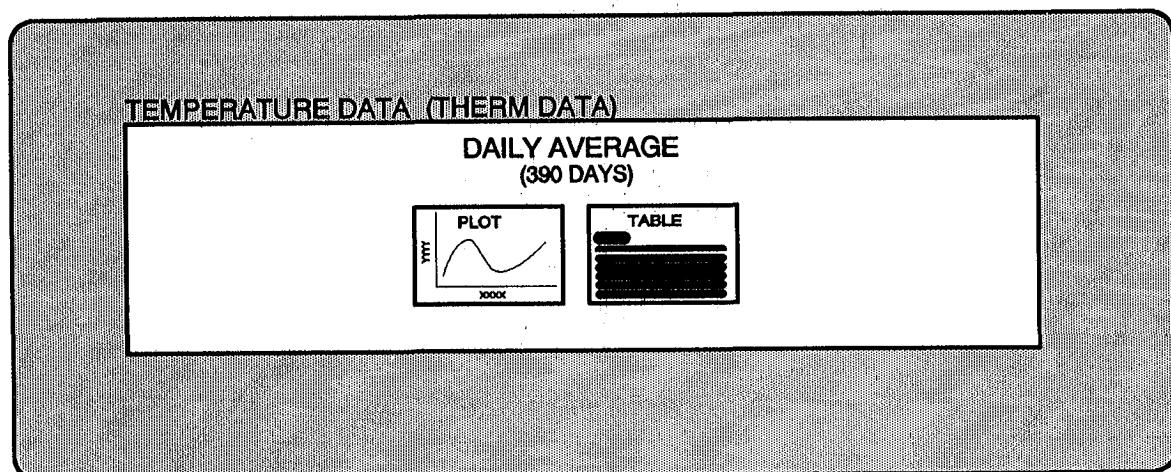
- 325 +52° BETA ANGLE
- 325 0° BETA ANGLE
- ◇----- 325 -52° BETA ANGLE

SOLAR CONSTANT = 434 BTU/HR-FT<sup>2</sup>  
PLANETARY FLUX = 77 BTU/HR-FT<sup>2</sup>  
ALBEDO = 31%  
ALTITUDE = 255 NM  
YAW = 10°



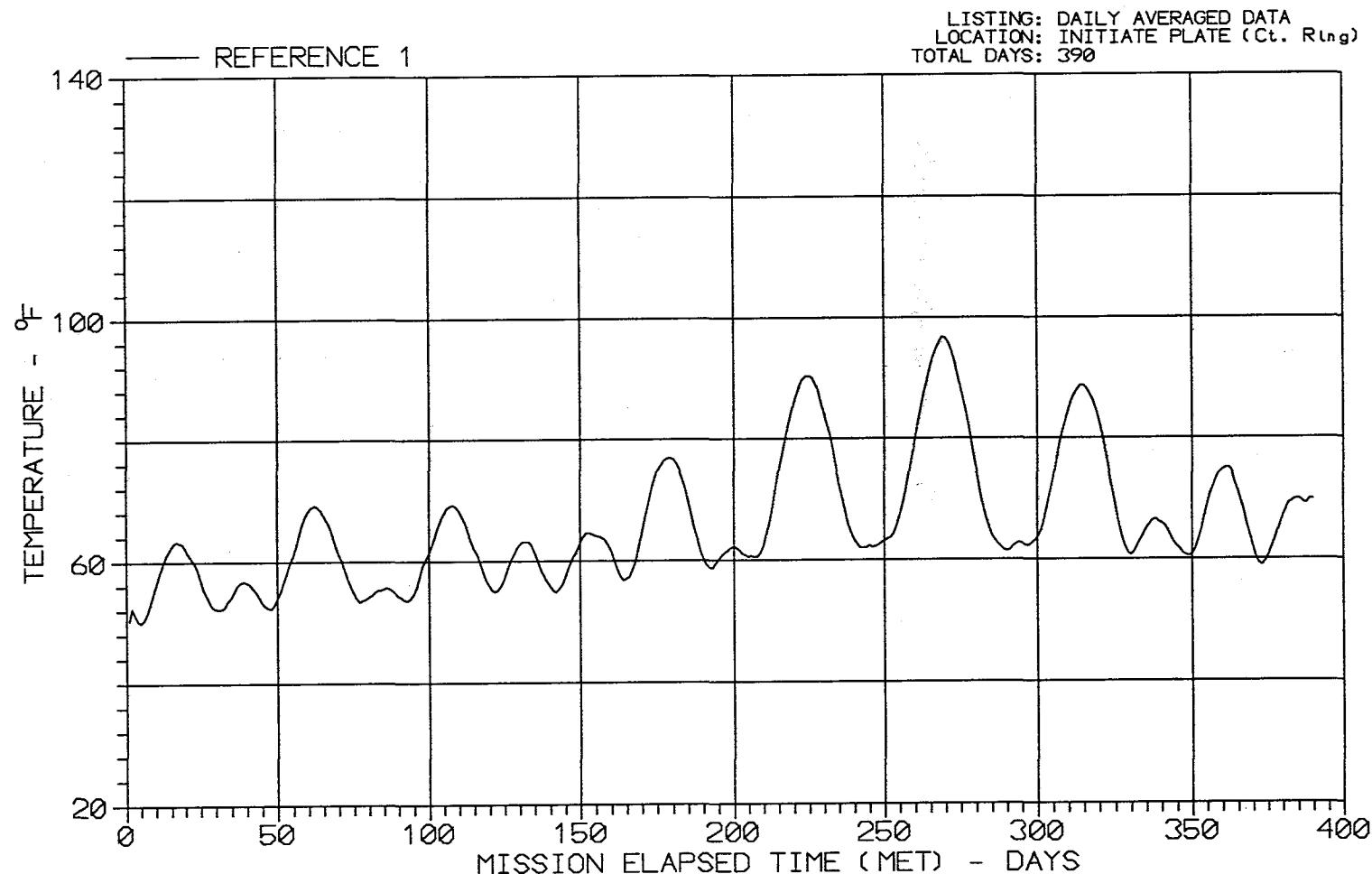
**This Page Intentionally Left Blank**

## APPENDIX F

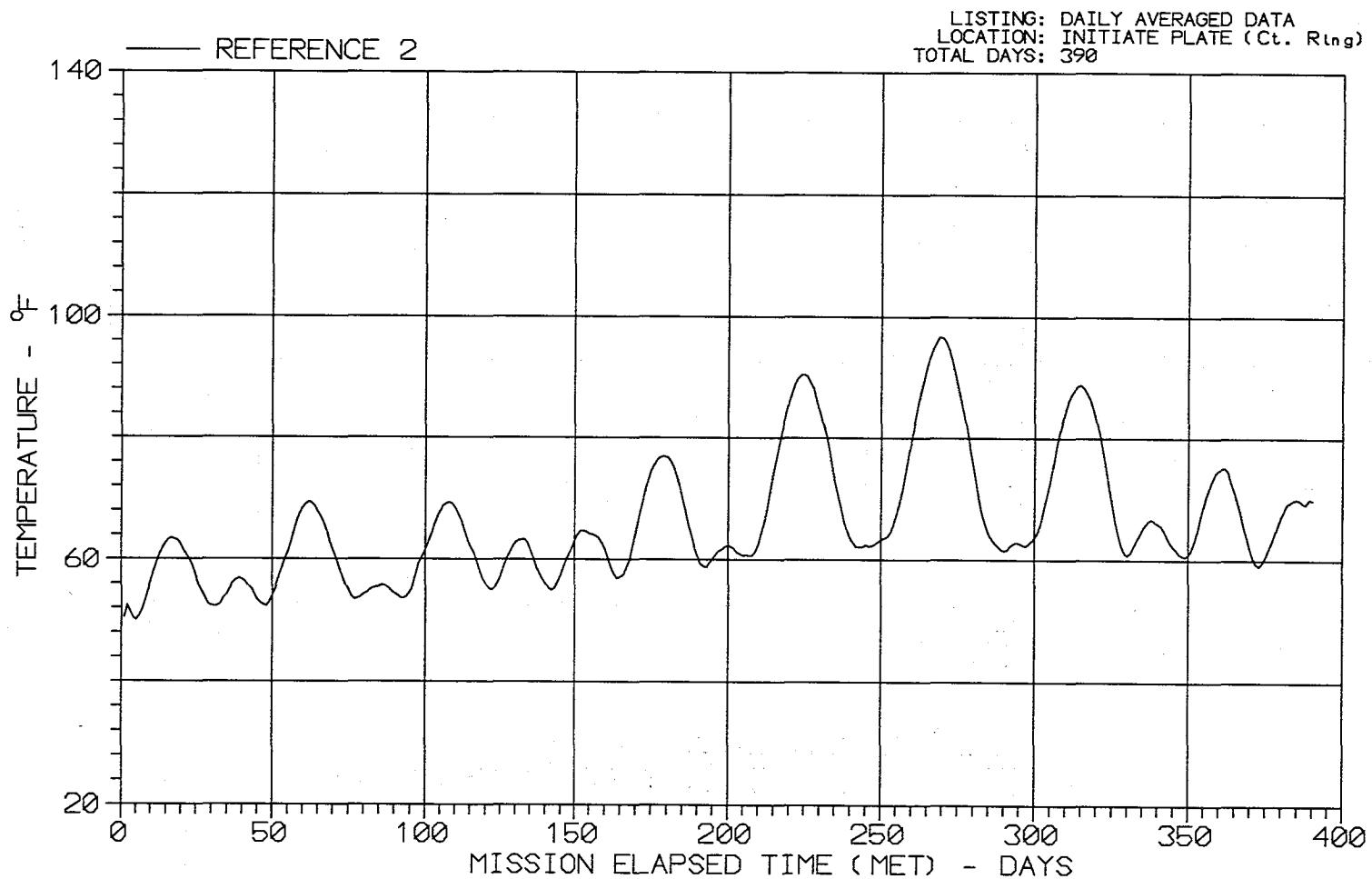


*This page intentionally left blank*

LONG DURATION EXPOSURE FACILITY  
THERMAL MEASUREMENTS SYSTEM

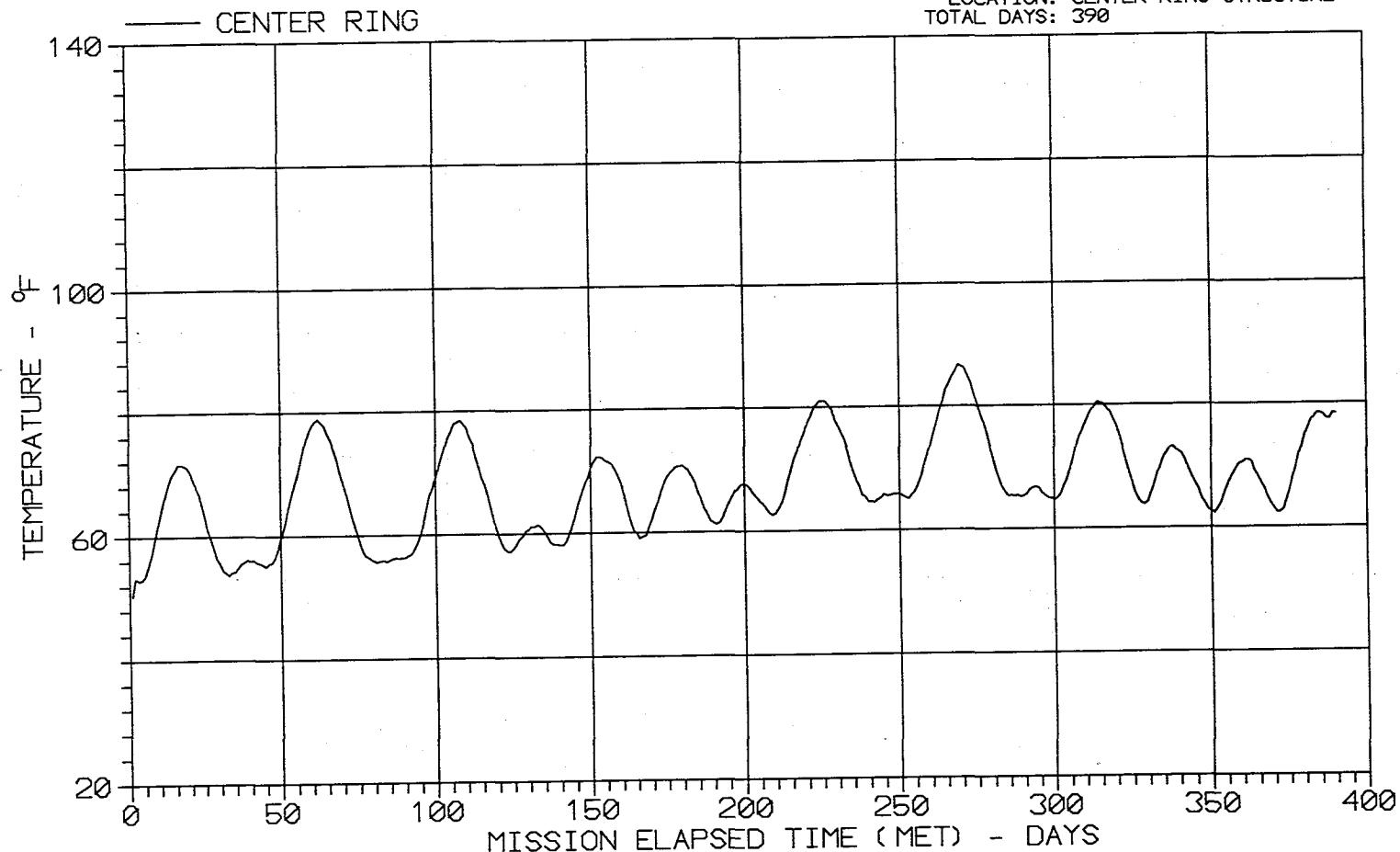


LONG DURATION EXPOSURE FACILITY  
THERMAL MEASUREMENTS SYSTEM

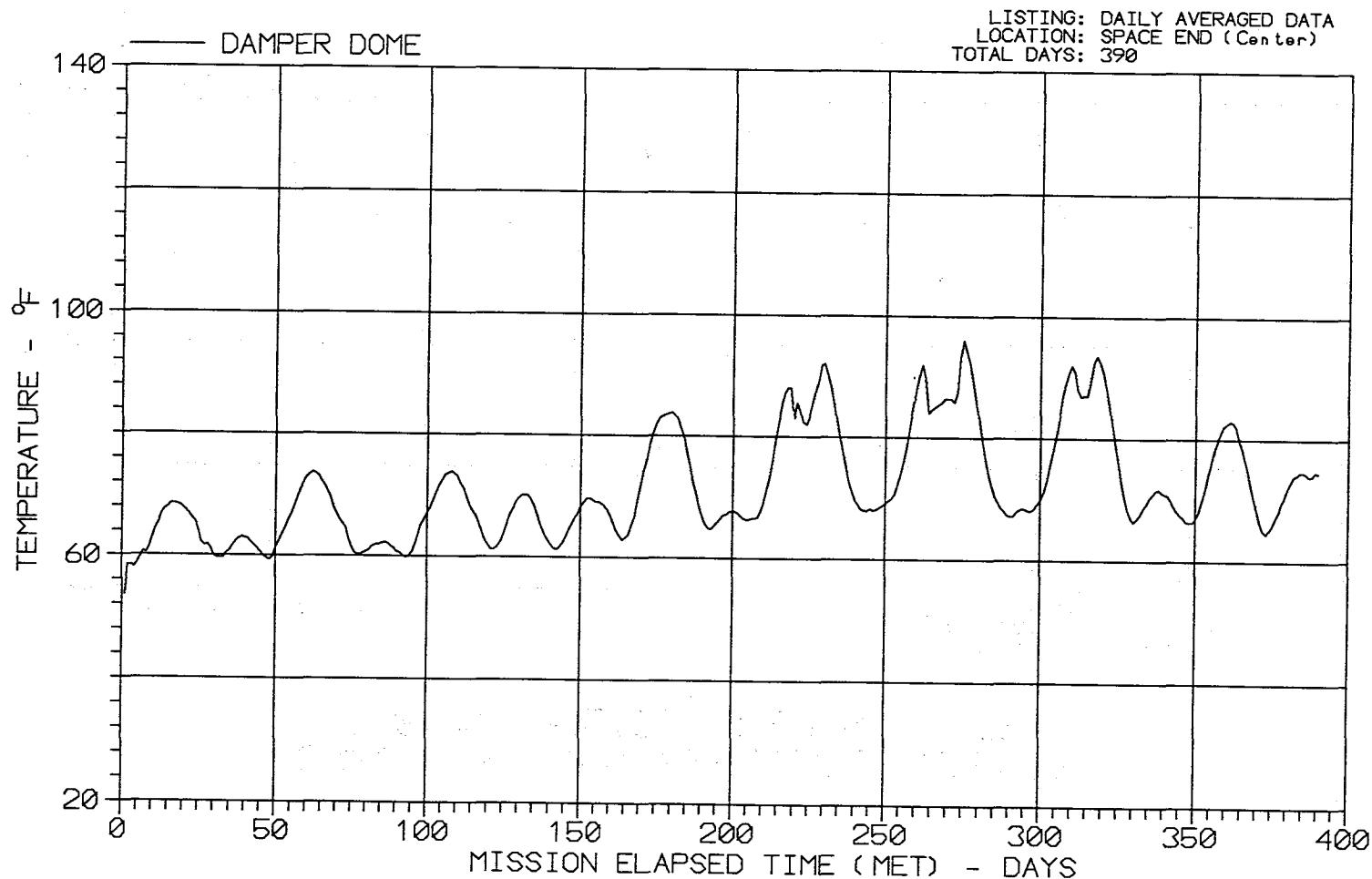


LONG DURATION EXPOSURE FACILITY  
THERMAL MEASUREMENTS SYSTEM

LISTING: DAILY AVERAGED DATA  
LOCATION: CENTER RING STRUCTURE  
TOTAL DAYS: 390



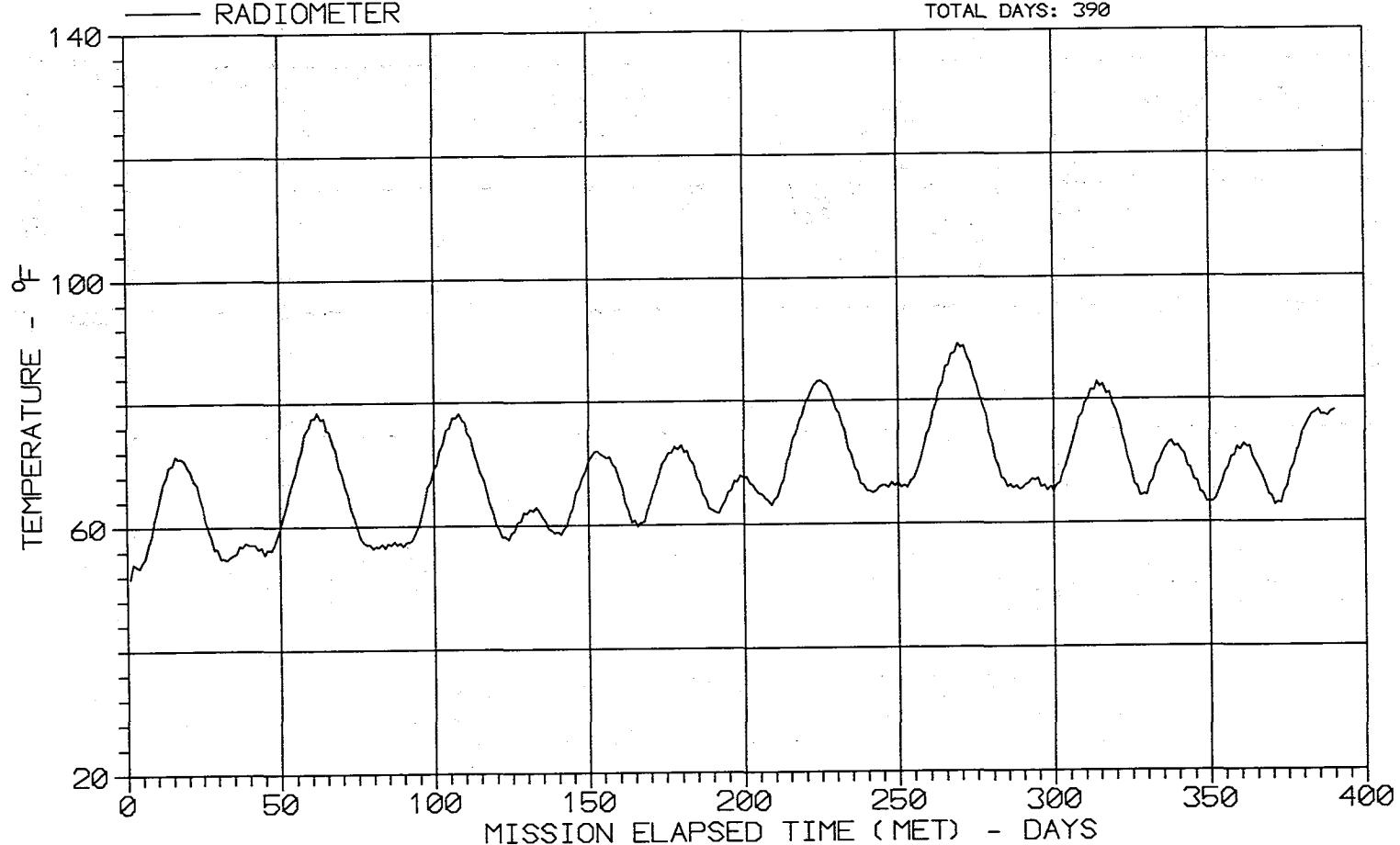
LONG DURATION EXPOSURE FACILITY  
THERMAL MEASUREMENTS SYSTEM



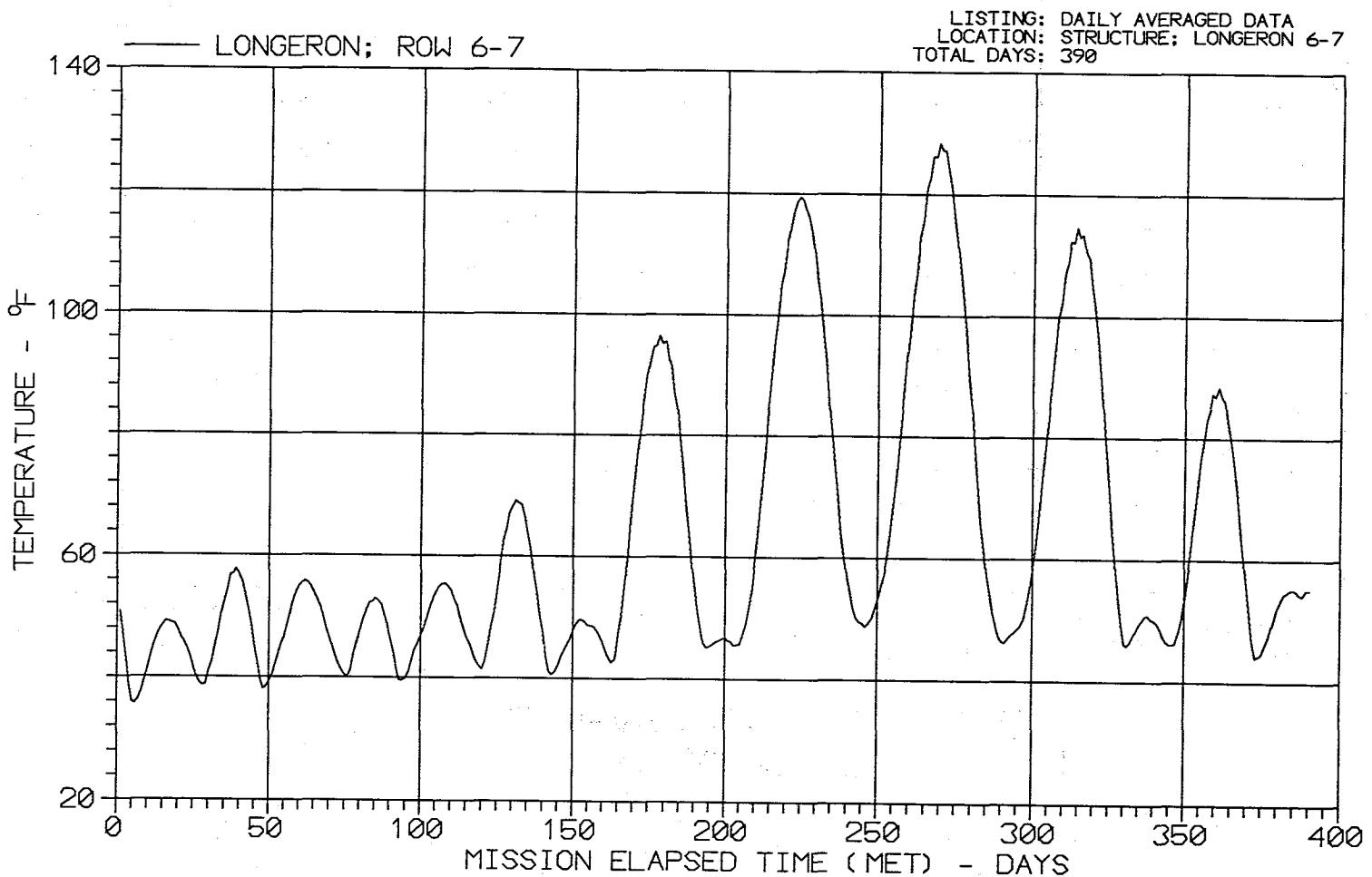
LONG DURATION EXPOSURE FACILITY  
THERMAL MEASUREMENTS SYSTEM

LISTING: DAILY AVERAGED DATA  
LOCATION: LDEF INTERIOR (Center)  
TOTAL DAYS: 390

F-5

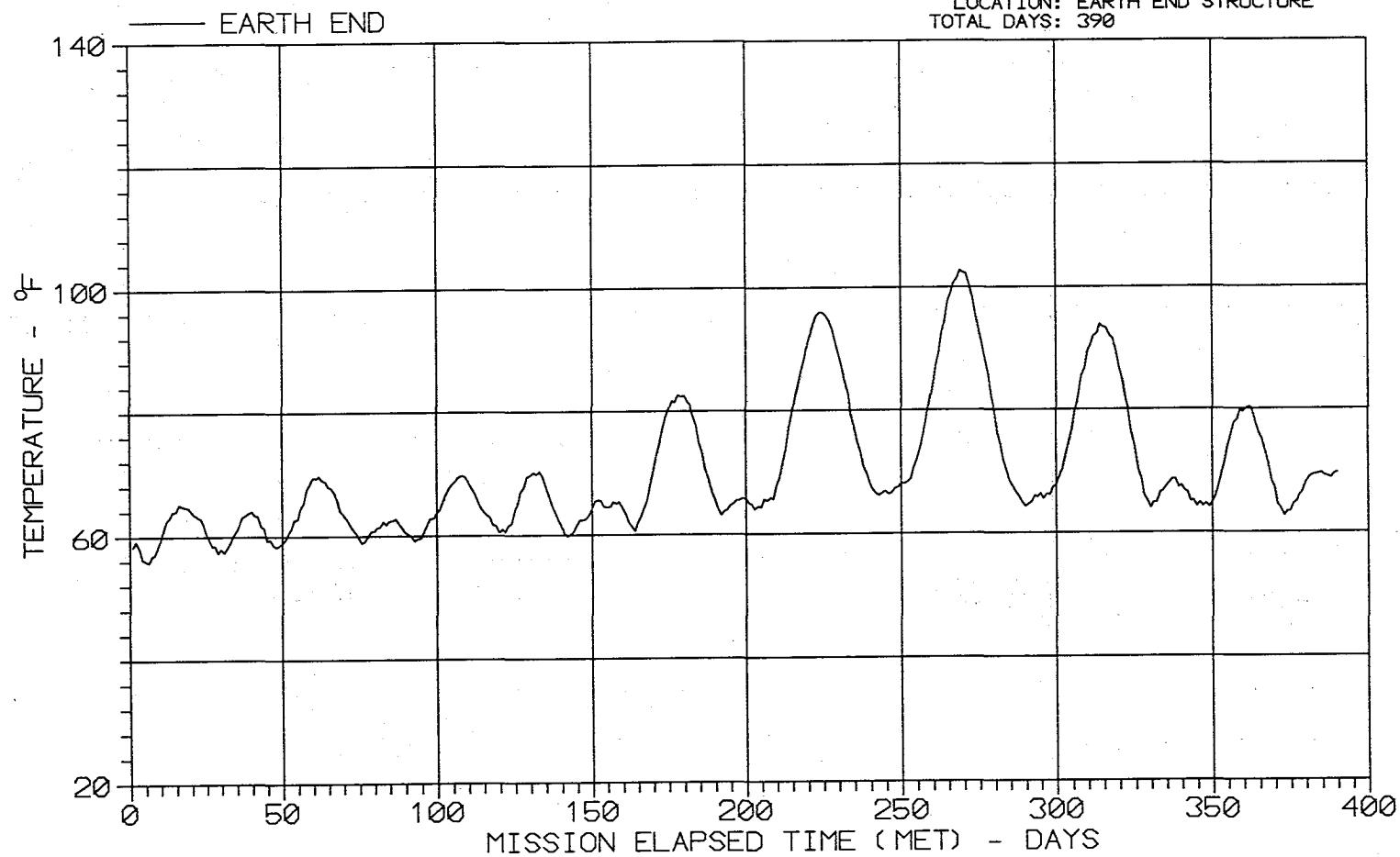


LONG DURATION EXPOSURE FACILITY  
THERMAL MEASUREMENTS SYSTEM

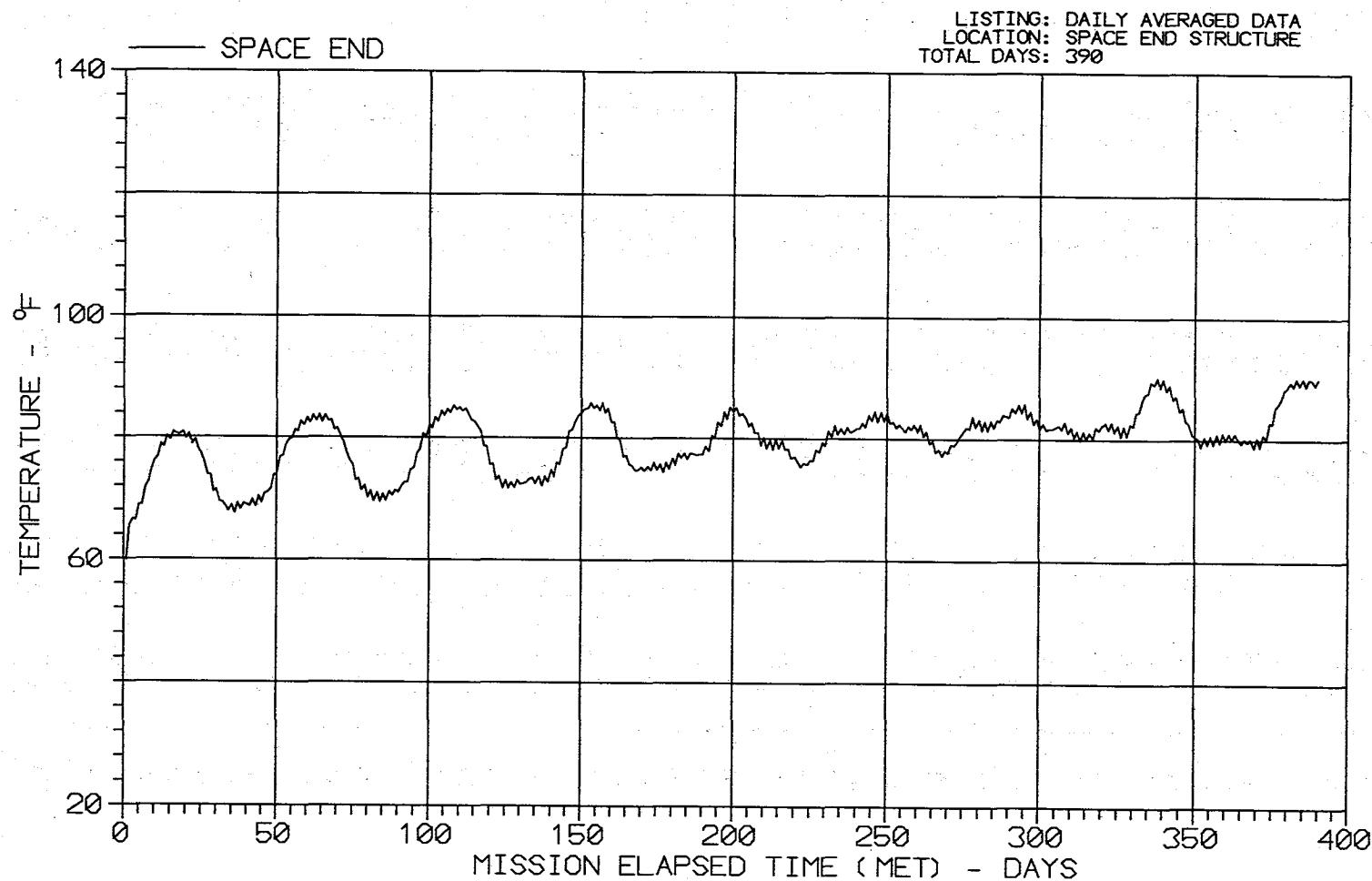


# LONG DURATION EXPOSURE FACILITY THERMAL MEASUREMENTS SYSTEM

LISTING: DAILY AVERAGED DATA  
LOCATION: EARTH END STRUCTURE  
TOTAL DAYS: 390



LONG DURATION EXPOSURE FACILITY  
THERMAL MEASUREMENTS SYSTEM



**THERM; DAILY AVERAGED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
1	50.43	50.49	50.46	53.58	51.77	59.87	58.41	50.66
2	52.41	52.49	53.24	58.42	54.08	65.52	59.29	47.34
3	51.29	51.35	53.02	58.45	53.75	66.64	58.02	42.76
4	50.32	50.40	53.08	58.01	53.45	66.38	56.27	38.56
5	49.99	50.06	53.67	58.61	54.39	68.88	56.08	35.96
6	50.55	50.63	55.04	59.58	55.07	68.86	55.80	35.62
7	51.60	51.69	56.92	60.63	57.41	71.83	56.91	36.41
8	52.98	53.07	58.81	60.46	58.63	72.61	57.17	37.60
9	54.61	54.70	61.10	61.25	61.17	74.69	58.32	39.42
10	56.15	56.25	62.95	62.81	62.79	76.17	59.43	41.14
11	58.04	58.14	65.44	64.52	65.21	76.83	61.25	43.58
12	59.41	59.52	67.11	65.30	67.15	78.86	62.62	45.19
13	60.71	60.80	68.65	66.81	68.04	78.39	63.08	46.49
14	61.70	61.81	69.91	67.59	69.89	80.23	64.04	47.67
15	62.58	62.67	70.79	67.99	70.10	79.59	64.15	48.46
16	63.20	63.32	71.67	68.47	71.55	80.87	65.15	49.15
17	63.35	63.46	71.63	68.49	71.08	80.50	64.96	49.11
18	63.19	63.28	71.54	68.44	71.14	80.44	64.76	48.92
19	62.99	63.09	71.06	68.22	70.72	80.90	64.67	48.69
20	62.33	62.43	70.29	67.72	69.71	79.79	64.02	47.82
21	61.40	61.50	69.09	67.36	69.01	80.59	63.54	46.71
22	60.63	60.73	68.00	66.80	67.46	78.91	63.20	45.82
23	59.79	59.89	66.87	66.01	66.94	79.68	62.86	44.82
24	58.70	58.80	65.21	65.54	64.84	78.01	61.84	43.48
25	57.23	57.34	63.41	64.00	63.40	77.26	60.45	41.85
26	55.54	55.63	61.13	62.26	61.23	75.91	59.61	40.20
27	54.41	54.50	59.50	61.68	59.52	73.87	58.43	39.19
28	53.36	53.45	57.86	61.81	58.40	73.86	58.49	38.72
29	52.57	52.64	56.30	61.16	56.43	71.06	57.32	38.74
30	52.34	52.42	55.61	59.93	56.48	71.48	58.07	40.84
31	52.20	52.28	54.53	59.62	54.90	69.43	57.45	42.60
32	52.35	52.43	54.14	59.62	55.03	69.38	58.26	45.12
33	52.72	52.79	53.78	59.70	54.68	68.82	58.99	47.35
34	53.63	53.71	54.18	60.40	55.16	67.90	60.13	50.08
35	54.26	54.33	54.31	60.90	55.56	68.91	60.95	52.56
36	55.22	55.28	54.87	61.63	55.77	67.51	61.87	54.46
37	56.08	56.14	55.58	62.30	56.99	69.27	63.17	56.76
38	56.58	56.64	55.83	62.78	56.82	68.19	63.48	56.96
39	56.80	56.87	56.19	63.11	57.49	69.21	63.79	57.76
40	56.62	56.69	56.05	62.92	57.23	69.01	64.15	56.70
41	56.38	56.46	56.14	62.80	57.16	68.66	63.47	55.74
42	55.71	55.77	55.85	62.20	57.15	69.86	63.41	53.64
43	55.09	55.16	55.67	61.71	56.36	68.69	61.64	51.12
44	54.22	54.29	55.48	61.23	56.73	70.38	61.37	48.64
45	53.32	53.40	55.12	60.56	55.57	69.32	59.32	45.39
46	52.78	52.87	55.52	60.07	56.45	70.82	59.60	42.85
47	52.39	52.47	55.73	59.54	56.21	71.12	58.59	39.76
48	52.32	52.42	56.55	59.40	57.05	71.51	58.33	38.17
49	52.94	53.04	57.87	59.83	58.38	73.83	58.59	38.48
50	54.04	54.14	59.67	61.28	59.73	73.92	59.01	39.29
51	55.24	55.35	61.50	62.38	61.83	76.77	59.59	40.41
52	56.83	56.93	63.52	63.54	63.34	76.98	60.59	42.10
53	58.22	58.32	65.50	64.43	65.52	78.79	61.28	43.72
54	59.75	59.85	67.37	65.66	67.13	79.55	62.66	45.41
55	61.06	61.16	69.17	66.76	68.78	79.90	62.85	46.75
56	62.55	62.66	71.00	68.14	70.90	81.31	64.61	48.56

**THERM; DAILY AVERAGED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
57	64.32	64.44	73.10	69.45	72.33	80.96	65.37	50.48
58	66.05	66.17	75.16	70.83	75.02	82.71	67.57	52.62
59	67.57	67.69	76.82	72.15	75.97	82.04	68.56	54.24
60	68.41	68.54	77.85	72.91	77.56	83.30	69.49	55.10
61	69.01	69.13	78.51	73.40	77.55	82.45	69.45	55.57
62	69.29	69.41	78.88	73.75	78.47	83.68	69.76	55.88
63	69.03	69.16	78.36	73.46	77.39	82.75	69.07	55.42
64	68.54	68.67	77.88	73.12	77.53	83.74	68.90	54.84
65	67.65	67.77	76.64	72.22	75.71	82.53	68.04	53.70
66	66.84	66.96	75.67	71.59	75.35	83.68	67.84	52.77
67	65.73	65.84	74.07	70.49	73.35	82.69	67.07	51.47
68	64.36	64.48	72.53	69.42	72.28	82.94	65.78	49.89
69	62.72	62.82	70.33	67.99	69.61	81.27	64.05	47.92
70	61.41	61.52	68.79	66.99	68.68	81.51	63.60	46.47
71	60.04	60.15	66.78	65.82	66.45	80.23	62.79	44.90
72	58.62	58.72	65.03	65.31	65.06	79.16	61.98	43.35
73	57.21	57.31	62.99	64.58	62.77	77.56	61.15	42.01
74	56.02	56.11	61.40	62.90	61.58	76.33	60.60	41.19
75	54.81	54.88	59.43	61.40	59.68	75.43	59.61	40.31
76	53.90	53.97	57.93	60.62	58.13	72.98	58.91	40.17
77	53.37	53.45	56.78	60.20	57.44	73.32	59.20	41.20
78	53.61	53.69	56.51	60.36	57.05	71.36	59.91	43.86
79	53.89	53.96	56.15	60.57	57.10	72.11	60.76	46.04
80	54.20	54.29	55.85	60.81	56.46	70.11	60.82	47.87
81	54.50	54.58	55.68	61.10	56.80	71.25	61.41	49.59
82	55.03	55.10	55.82	61.62	56.57	69.57	61.45	51.01
83	55.33	55.40	55.93	61.93	57.18	70.97	62.29	52.30
84	55.39	55.47	55.74	61.95	56.52	69.48	61.80	52.42
85	55.54	55.60	55.96	62.11	57.24	70.82	62.45	52.95
86	55.72	55.80	56.20	62.22	56.98	69.63	62.53	52.59
87	55.58	55.64	56.35	62.11	57.60	71.14	62.79	51.91
88	55.21	55.29	56.21	61.70	56.97	70.52	62.03	50.23
89	54.78	54.85	56.32	61.35	57.35	71.34	61.38	48.69
90	54.34	54.42	56.32	60.83	56.80	70.96	60.56	46.46
91	53.99	54.07	56.68	60.60	57.44	72.11	60.19	44.31
92	53.62	53.69	56.88	60.14	57.44	72.71	59.80	41.75
93	53.52	53.62	57.53	59.87	57.91	72.65	59.19	39.69
94	53.94	54.03	58.54	60.01	58.97	74.81	59.53	39.57
95	54.71	54.80	60.00	60.67	60.26	75.12	59.69	39.90
96	55.86	55.96	61.74	61.93	62.06	77.46	60.77	41.02
97	57.54	57.64	64.02	63.44	63.99	78.12	61.82	42.80
98	59.31	59.42	66.18	65.16	66.39	80.69	62.78	44.63
99	60.39	60.49	67.66	66.11	67.27	80.26	62.86	45.62
100	61.49	61.60	69.22	67.13	69.21	82.28	63.72	46.95
101	62.68	62.78	70.71	68.07	70.07	81.54	64.32	48.22
102	63.97	64.09	72.43	69.15	72.35	83.41	65.56	49.74
103	65.45	65.56	74.02	70.38	73.20	82.74	66.77	51.40
104	66.87	66.99	75.80	71.78	75.57	84.44	67.85	53.00
105	67.87	67.98	76.83	72.55	75.96	83.66	68.42	54.06
106	68.65	68.77	77.92	73.36	77.52	84.70	68.99	54.90
107	69.07	69.19	78.25	73.65	77.44	84.14	69.59	55.31
108	69.26	69.38	78.51	73.92	78.20	85.28	69.77	55.45
109	68.99	69.11	77.96	73.58	77.14	84.62	69.59	55.02
110	68.44	68.56	77.36	73.17	76.82	84.98	68.76	54.27
111	67.33	67.44	75.85	72.08	75.10	84.38	67.83	52.96
112	66.29	66.41	74.67	71.21	74.35	84.77	66.94	51.72

**THERM; DAILY AVERAGED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
113	64.76	64.87	72.64	69.77	72.04	83.79	65.74	49.89
114	63.31	63.42	70.98	68.56	70.54	82.93	64.56	48.22
115	62.06	62.16	69.19	67.53	68.85	82.75	63.96	46.79
116	61.05	61.16	67.85	66.69	67.68	81.83	63.40	45.69
117	59.65	59.75	65.82	65.42	65.77	81.04	63.00	44.25
118	58.18	58.28	63.84	64.15	63.70	78.59	61.74	42.91
119	56.91	57.01	61.95	62.85	62.42	78.60	61.64	42.15
120	55.91	56.00	60.17	61.94	60.20	75.58	60.49	41.48
121	55.19	55.29	58.78	61.31	59.46	75.78	60.94	42.70
122	55.00	55.09	57.75	61.25	58.13	73.12	60.64	45.14
123	55.27	55.36	57.28	61.65	58.29	73.76	61.59	48.31
124	56.02	56.10	57.12	62.42	57.73	71.81	61.99	51.03
125	57.05	57.13	57.55	63.62	58.88	73.09	64.02	54.86
126	58.50	58.56	58.17	65.11	59.06	71.72	65.06	58.24
127	59.86	59.94	59.09	66.62	60.51	72.75	66.96	62.20
128	61.02	61.08	59.61	67.78	60.66	71.88	67.81	64.49
129	62.06	62.13	60.46	68.97	62.09	73.11	69.48	67.31
130	62.75	62.81	60.75	69.62	61.91	72.41	69.63	68.10
131	63.15	63.21	61.16	70.11	62.58	72.55	70.12	69.20
132	63.19	63.26	61.13	70.10	62.34	72.81	69.82	68.73
133	63.21	63.29	61.46	70.15	62.94	73.29	70.29	68.49
134	62.69	62.77	61.09	69.50	62.28	73.47	69.56	66.61
135	61.59	61.66	60.40	68.38	61.46	72.53	68.04	63.88
136	60.11	60.18	59.42	66.78	60.66	73.69	66.43	60.73
137	58.75	58.83	58.64	65.32	59.50	72.18	64.98	56.90
138	57.69	57.76	58.26	64.10	59.27	73.74	63.84	53.93
139	56.83	56.92	58.21	63.14	58.85	72.79	62.68	50.50
140	55.96	56.05	58.16	62.30	59.02	74.81	61.46	47.36
141	55.24	55.33	58.15	61.61	58.49	73.69	60.28	43.78
142	54.90	54.99	58.63	61.29	59.33	76.06	59.85	41.24
143	55.31	55.40	59.75	61.47	59.91	75.67	60.03	40.61
144	56.16	56.27	61.35	62.18	61.83	78.26	60.48	41.10
145	57.32	57.42	62.94	63.12	62.91	78.41	61.46	42.05
146	58.73	58.83	64.93	64.35	65.24	81.17	62.40	43.43
147	59.82	59.92	66.30	65.18	66.05	81.28	62.46	44.41
148	61.00	61.12	67.95	66.38	67.89	82.83	62.70	45.61
149	61.82	61.93	68.91	67.06	68.70	83.61	63.27	46.47
150	63.03	63.14	70.50	68.29	70.28	84.10	64.29	47.96
151	63.93	64.04	71.41	69.02	71.06	84.75	65.42	48.99
152	64.63	64.75	72.33	69.71	71.94	84.88	65.70	49.64
153	64.61	64.71	72.28	69.61	72.07	85.76	65.59	49.52
154	64.45	64.57	72.15	69.47	71.57	84.87	64.56	49.21
155	64.11	64.23	71.63	69.11	71.28	85.42	64.53	48.74
156	64.04	64.15	71.49	69.09	70.95	84.55	64.60	48.64
157	63.86	63.97	71.10	68.95	71.08	85.85	65.40	48.48
158	63.42	63.52	70.34	68.52	69.86	84.16	65.13	47.92
159	62.71	62.81	69.29	67.90	69.33	84.92	65.34	47.18
160	61.66	61.76	67.79	66.92	67.43	82.58	64.40	45.98
161	60.18	60.27	65.86	65.65	66.14	82.72	63.45	44.62
162	58.82	58.92	63.77	64.44	63.62	80.06	62.00	43.42
163	57.64	57.74	62.05	63.63	62.49	79.73	61.43	42.75
164	56.79	56.89	60.31	62.91	60.44	77.02	60.64	43.27
165	57.06	57.15	59.94	63.30	60.76	77.20	62.07	47.27
166	57.40	57.48	59.09	63.68	59.75	75.79	62.80	50.32
167	58.55	58.63	59.32	65.08	60.43	75.45	64.16	55.14
168	59.96	60.04	59.60	66.63	60.53	74.70	65.59	59.47

**THERM; DAILY AVERAGED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
169	62.28	62.35	61.00	69.27	62.29	74.83	67.94	65.97
170	64.43	64.51	62.11	71.62	63.58	75.23	70.09	71.28
171	66.85	66.91	63.71	74.15	65.19	74.65	72.34	76.61
172	69.09	69.16	65.11	76.33	66.67	75.37	74.64	81.15
173	71.38	71.45	66.74	78.87	68.32	74.76	76.89	85.65
174	73.12	73.18	67.93	80.66	69.90	76.07	78.90	89.72
175	74.66	74.73	68.95	82.00	70.50	74.79	80.10	91.85
176	75.70	75.77	69.70	82.96	71.69	75.75	81.64	94.57
177	76.41	76.47	70.11	83.26	71.62	74.42	81.46	94.84
178	76.81	76.88	70.62	83.46	72.74	76.06	82.64	96.44
179	76.97	77.02	70.71	83.67	72.22	74.98	82.40	95.19
180	76.72	76.79	70.80	83.84	72.88	76.67	82.53	95.46
181	76.12	76.19	70.40	83.45	71.81	75.63	81.58	92.69
182	75.27	75.34	70.14	82.79	72.06	77.51	81.13	91.37
183	73.87	73.92	69.16	81.31	70.50	76.85	79.36	87.21
184	72.10	72.18	68.15	79.54	69.83	77.60	77.67	84.08
185	69.98	70.06	66.57	77.07	67.63	76.58	74.82	78.58
186	67.97	68.06	65.52	75.07	66.92	77.52	73.37	74.32
187	65.65	65.73	63.96	72.49	65.00	77.44	70.75	68.67
188	63.72	63.80	63.02	70.47	64.11	77.26	69.03	63.74
189	61.77	61.85	61.87	68.29	62.64	77.33	67.02	58.64
190	60.50	60.59	61.59	66.91	62.38	77.33	65.73	54.65
191	59.31	59.40	61.25	65.61	62.05	78.74	64.35	50.96
192	58.76	58.86	61.50	64.95	61.81	77.94	63.22	47.42
193	58.75	58.85	62.25	64.82	62.98	80.49	63.74	45.72
194	59.42	59.52	63.48	65.28	63.77	80.02	64.03	45.14
195	60.02	60.13	64.59	65.83	65.18	82.70	64.66	45.38
196	60.77	60.86	65.64	66.50	65.67	82.07	65.05	45.74
197	61.32	61.43	66.57	67.08	67.07	84.37	65.59	46.15
198	61.60	61.69	66.95	67.21	66.88	83.19	65.53	46.28
199	61.99	62.09	67.52	67.62	67.95	85.15	65.88	46.64
200	62.25	62.35	67.63	67.76	67.57	84.37	65.85	46.78
201	62.01	62.11	67.45	67.62	67.74	85.05	65.06	46.34
202	61.71	61.81	66.88	67.27	66.75	83.77	64.83	46.20
203	61.09	61.19	66.14	66.76	66.43	84.12	64.06	45.55
204	60.80	60.90	65.43	66.43	65.58	83.40	64.52	45.65
205	60.60	60.69	64.82	66.32	65.02	82.06	64.32	45.70
206	60.68	60.78	64.37	66.47	64.90	82.59	65.62	47.41
207	60.62	60.71	63.75	66.58	64.24	81.01	65.35	48.97
208	60.61	60.71	62.93	66.71	63.72	81.04	65.83	51.95
209	61.25	61.35	62.58	67.54	63.11	78.92	65.70	55.01
210	62.45	62.53	62.92	69.00	64.09	80.26	67.84	59.81
211	64.23	64.30	63.65	71.01	64.53	78.43	69.02	64.63
212	66.29	66.37	64.71	73.38	66.30	79.86	71.62	71.12
213	68.94	69.01	66.14	76.24	67.33	78.21	73.87	76.64
214	71.90	71.98	68.27	79.51	70.12	80.01	77.19	84.14
215	74.66	74.72	69.89	82.30	71.30	78.46	79.38	88.78
216	77.40	77.48	71.83	85.30	73.91	79.80	82.44	95.66
217	79.66	79.72	73.02	87.22	74.73	78.24	84.44	99.35
218	81.80	81.87	74.59	88.07	76.80	78.30	86.58	104.91
219	83.76	83.82	75.74	88.00	77.52	76.81	88.33	107.20
220	85.88	85.93	77.49	83.11	79.80	77.06	91.01	112.18
221	87.35	87.40	78.34	85.55	80.47	76.20	92.42	114.37
222	88.78	88.84	79.54	84.29	81.70	75.39	94.10	117.00
223	89.75	89.81	80.32	82.43	82.59	76.02	95.39	118.62
224	90.34	90.41	80.96	82.01	83.20	75.78	95.91	119.36

**THERM; DAILY AVERAGED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
225	90.34	90.38	80.98	83.35	83.24	76.55	95.84	118.93
226	90.16	90.21	81.01	85.41	82.93	76.38	95.33	117.36
227	89.23	89.29	80.42	87.29	82.64	78.23	94.60	116.19
228	88.01	88.08	79.64	89.27	81.54	77.86	93.12	113.36
229	85.91	85.97	78.06	91.76	80.24	79.43	91.19	110.08
230	84.34	84.40	77.09	92.00	78.62	78.94	89.24	105.54
231	82.57	82.64	76.09	90.47	78.09	81.32	87.52	102.52
232	80.55	80.63	74.77	88.38	76.06	80.34	84.58	96.75
233	78.14	78.22	73.36	85.85	75.13	82.23	82.86	92.49
234	75.38	75.45	71.35	82.81	72.36	80.69	79.45	85.64
235	72.80	72.88	69.89	80.15	71.32	81.74	77.55	80.71
236	70.37	70.45	68.22	77.35	69.10	80.76	74.92	74.69
237	68.29	68.37	67.19	75.14	68.45	81.94	73.38	69.92
238	66.10	66.18	65.76	72.65	66.56	81.13	70.99	64.23
239	64.85	64.94	65.47	71.30	66.29	81.24	69.79	60.61
240	63.42	63.50	64.63	69.71	65.33	81.78	68.01	56.82
241	62.71	62.81	64.68	68.97	65.32	81.81	67.04	54.40
242	62.08	62.17	64.53	68.20	65.11	82.62	66.52	51.91
243	62.01	62.10	64.96	68.07	65.30	81.93	66.21	50.32
244	62.00	62.09	65.24	67.97	65.92	83.96	66.75	49.52
245	62.39	62.48	65.84	68.30	66.23	82.97	66.92	49.39
246	62.14	62.23	65.56	68.03	66.25	84.47	66.41	48.77
247	62.23	62.32	65.61	68.13	65.89	82.84	66.58	49.24
248	62.52	62.62	65.88	68.47	66.66	84.45	67.36	50.05
249	62.91	62.99	65.88	68.82	66.15	82.91	67.58	51.58
250	63.21	63.31	65.90	69.26	66.72	84.29	68.15	53.19
251	63.46	63.55	65.53	69.53	65.96	82.60	68.13	54.97
252	63.78	63.87	65.30	70.06	66.20	82.79	68.37	57.34
253	64.32	64.42	65.05	70.71	65.80	81.83	68.95	60.01
254	65.62	65.70	65.73	72.29	66.95	82.43	70.66	64.14
255	67.15	67.22	66.19	73.97	67.24	81.82	71.90	68.72
256	69.29	69.37	67.48	76.45	68.67	81.21	73.95	74.16
257	71.49	71.56	68.69	78.83	70.19	82.15	76.17	79.82
258	74.16	74.23	70.48	81.85	72.00	81.58	78.69	85.67
259	76.85	76.91	72.15	84.72	74.07	82.45	81.54	91.96
260	79.92	79.99	74.19	87.83	75.71	81.22	83.91	96.89
261	82.47	82.53	75.98	90.27	78.17	82.45	87.10	103.22
262	84.93	85.00	77.59	91.99	79.35	80.44	89.19	107.07
263	87.25	87.32	79.35	89.75	81.86	81.24	92.56	112.92
264	89.66	89.72	80.94	84.04	82.82	79.25	94.51	115.73
265	91.81	91.85	82.77	84.60	85.40	79.73	97.61	121.13
266	93.33	93.39	83.62	84.98	85.64	77.83	98.87	122.63
267	94.62	94.67	84.84	85.35	87.53	78.36	100.64	126.20
268	95.79	95.84	85.61	85.76	87.65	77.24	101.36	126.18
269	96.71	96.77	86.72	86.38	89.20	78.11	102.70	128.32
270	96.59	96.64	86.47	86.44	88.56	77.81	102.36	127.17
271	95.98	96.04	86.28	86.41	88.85	79.08	102.20	127.19
272	94.56	94.61	84.92	85.89	86.96	79.03	100.25	123.49
273	92.91	92.95	83.81	87.45	85.93	79.69	98.12	121.01
274	90.74	90.79	82.04	93.24	83.93	80.49	95.32	116.49
275	88.59	88.66	80.63	96.08	82.63	81.16	92.89	112.84
276	86.04	86.10	78.66	93.95	80.46	81.91	90.17	107.53
277	83.88	83.94	77.42	91.93	78.93	81.81	87.86	102.50
278	81.27	81.34	75.79	89.20	77.64	83.73	85.60	97.56
279	78.35	78.42	73.68	86.04	74.81	82.03	82.16	90.70
280	75.16	75.23	71.55	82.63	73.09	83.25	79.56	84.94

**THERM; DAILY AVERAGED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
281	72.23	72.31	69.59	79.42	70.45	81.50	76.19	77.93
282	69.66	69.74	68.15	76.62	69.48	83.01	74.17	72.29
283	67.47	67.54	66.83	74.10	67.47	81.45	71.65	66.26
284	65.52	65.61	65.91	72.03	66.99	83.07	69.86	61.55
285	64.16	64.23	65.36	70.41	65.87	81.95	68.28	57.34
286	63.40	63.49	65.50	69.59	66.22	83.20	67.59	54.47
287	62.73	62.82	65.36	68.75	65.68	82.94	66.75	51.45
288	62.17	62.26	65.41	68.18	66.03	84.07	65.82	48.96
289	61.67	61.76	65.17	67.50	65.47	83.88	64.93	47.23
290	61.47	61.56	65.39	67.30	65.70	83.64	64.31	46.48
291	61.57	61.66	65.70	67.32	66.20	85.22	64.75	46.34
292	62.21	62.30	66.41	67.93	66.53	84.38	65.09	47.05
293	62.60	62.71	66.75	68.28	67.17	85.80	66.05	47.64
294	62.78	62.89	66.81	68.47	66.93	84.42	65.85	48.05
295	62.73	62.83	66.59	68.46	67.23	85.83	66.44	48.47
296	62.41	62.50	65.84	68.16	65.87	83.47	65.54	48.93
297	62.26	62.36	65.34	68.15	66.15	84.65	66.33	50.26
298	62.56	62.65	64.99	68.52	65.24	82.51	66.21	52.40
299	63.08	63.15	64.94	69.25	65.83	83.38	67.42	55.40
300	63.64	63.73	64.65	69.94	65.20	81.61	67.84	58.12
301	64.65	64.74	64.98	71.24	66.23	82.66	69.32	62.05
302	66.29	66.36	65.56	73.02	66.41	81.52	70.40	66.53
303	68.41	68.48	66.85	75.50	68.11	81.72	72.52	72.25
304	70.48	70.57	67.89	77.74	69.14	81.72	74.46	77.36
305	72.96	73.03	69.57	80.59	71.13	82.08	76.92	83.17
306	75.51	75.59	71.16	83.29	72.84	82.31	79.92	88.68
307	78.46	78.53	73.25	86.49	74.76	81.66	82.33	93.92
308	80.70	80.77	74.78	88.78	76.98	82.95	85.42	99.58
309	82.75	82.83	76.02	90.78	77.59	81.11	86.71	102.40
310	84.37	84.43	77.20	91.91	79.50	82.06	89.43	107.07
311	86.03	86.10	78.27	90.97	80.01	80.32	90.57	108.86
312	87.17	87.25	79.20	87.94	81.59	81.43	91.98	112.32
313	88.13	88.18	79.75	86.86	81.45	79.83	92.39	112.17
314	88.71	88.76	80.48	87.14	82.90	81.35	93.83	114.61
315	88.77	88.82	80.33	86.98	82.05	80.02	93.34	113.04
316	88.22	88.29	80.17	89.27	82.48	81.18	93.31	113.48
317	87.27	87.33	79.24	92.76	80.92	80.25	91.93	110.40
318	86.32	86.39	78.94	93.60	81.17	82.00	91.57	109.62
319	84.81	84.87	77.75	92.50	79.36	81.54	89.63	104.90
320	83.01	83.06	76.73	91.06	78.45	82.30	87.10	101.57
321	80.55	80.62	74.96	88.45	76.59	82.79	84.77	96.29
322	77.88	77.96	73.21	85.71	74.40	81.65	81.74	90.49
323	75.07	75.16	71.37	82.56	72.89	82.94	79.75	84.92
324	72.22	72.31	69.51	79.48	70.49	81.30	76.30	78.40
325	69.13	69.22	67.54	76.04	68.82	82.45	73.81	71.67
326	66.34	66.43	65.79	72.94	66.34	80.57	70.44	64.52
327	64.10	64.19	64.75	70.52	65.88	82.21	68.89	59.24
328	62.42	62.51	64.01	68.56	64.30	80.67	66.12	54.11
329	61.11	61.20	63.84	67.11	64.62	82.58	65.18	49.48
330	60.73	60.82	64.25	66.45	64.37	82.28	64.09	46.34
331	61.22	61.31	65.66	66.88	66.24	84.38	64.91	45.97
332	62.03	62.14	66.95	67.50	66.82	84.59	64.89	46.43
333	63.22	63.33	68.82	68.67	69.15	86.73	66.51	47.62
334	64.03	64.15	69.84	69.31	69.79	87.51	66.81	48.30
335	65.04	65.14	71.25	70.30	71.13	87.68	67.42	49.31
336	65.69	65.81	72.03	70.85	72.04	89.46	68.04	49.95

**THERM; DAILY AVERAGED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
337	66.44	66.54	73.02	71.58	72.89	89.11	68.65	50.80
338	66.62	66.73	73.17	71.72	73.21	90.25	68.72	50.91
339	66.23	66.35	72.75	71.29	72.23	88.64	67.35	50.23
340	65.93	66.03	72.45	71.05	72.55	90.01	67.68	50.12
341	65.57	65.67	71.96	70.69	71.54	88.17	66.85	49.54
342	64.78	64.88	70.94	69.98	71.09	89.01	66.50	48.67
343	63.80	63.89	69.59	69.00	69.12	86.64	65.13	47.50
344	62.84	62.93	68.42	68.23	68.80	87.15	65.19	46.75
345	62.13	62.23	67.19	67.52	66.95	84.72	64.21	46.19
346	61.62	61.73	66.28	67.18	66.75	85.23	64.91	46.24
347	60.98	61.07	64.83	66.54	64.93	83.22	64.22	46.31
348	60.66	60.76	64.06	66.44	64.70	82.68	64.70	47.95
349	60.54	60.64	63.02	66.43	63.26	81.01	64.12	50.15
350	60.84	60.94	62.60	67.02	63.38	80.54	64.93	53.41
351	61.58	61.67	62.36	67.92	63.25	80.31	65.76	56.83
352	63.01	63.10	62.98	69.64	63.78	78.91	67.33	61.10
353	64.79	64.86	63.95	71.64	65.22	80.49	69.68	66.28
354	66.97	67.04	65.34	74.03	66.41	79.25	71.67	70.84
355	68.81	68.89	66.51	76.09	68.15	80.74	74.07	75.76
356	70.66	70.73	67.63	78.06	68.78	79.23	75.63	78.97
357	72.13	72.22	68.73	79.74	70.60	81.02	77.74	83.12
358	73.45	73.52	69.52	81.11	70.75	79.53	78.23	84.59
359	74.35	74.42	70.29	82.16	72.20	81.16	79.80	87.40
360	74.81	74.87	70.40	82.53	71.70	79.93	79.51	86.93
361	75.12	75.19	70.88	82.96	72.72	81.12	80.25	88.42
362	75.13	75.20	70.88	82.81	72.17	80.10	80.36	86.93
363	74.42	74.50	70.58	82.13	72.25	81.10	79.76	86.14
364	72.73	72.81	69.09	80.18	70.41	80.21	77.72	82.29
365	71.15	71.22	68.11	78.55	69.35	79.44	75.94	79.14
366	69.51	69.57	67.10	76.65	68.44	80.28	75.07	75.26
367	67.95	68.02	66.33	74.93	67.43	79.64	73.19	71.35
368	65.75	65.83	64.93	72.43	66.10	80.27	71.37	65.95
369	63.74	63.82	63.82	70.17	64.41	78.79	68.35	60.39
370	61.99	62.08	63.10	68.23	64.10	80.46	67.30	55.97
371	60.42	60.52	62.43	66.44	62.74	78.87	64.47	51.36
372	59.35	59.45	62.46	65.20	63.22	80.95	63.98	46.88
373	58.99	59.08	62.87	64.58	62.98	80.26	62.74	44.14
374	59.58	59.67	64.42	65.15	64.94	82.93	63.36	44.30
375	60.42	60.51	65.83	65.80	65.66	82.71	63.33	44.69
376	61.67	61.77	67.88	67.01	68.20	85.49	64.57	45.95
377	63.05	63.15	69.59	68.18	69.32	86.09	64.98	47.31
378	64.51	64.62	71.65	69.63	71.49	87.09	66.11	49.06
379	65.63	65.74	72.98	70.58	72.64	88.24	66.67	50.33
380	67.00	67.11	74.86	71.96	74.60	88.72	68.01	52.11
381	68.22	68.34	76.19	73.05	75.84	89.54	68.86	53.49
382	69.17	69.28	77.41	74.00	76.72	88.94	69.26	54.54
383	69.46	69.58	77.80	74.25	77.46	90.10	69.37	54.81
384	69.87	69.99	78.37	74.66	77.71	89.11	69.44	55.16
385	69.91	70.03	78.39	74.69	78.12	90.14	69.68	55.25
386	69.75	69.87	78.13	74.48	77.23	88.86	69.16	54.93
387	69.26	69.38	77.60	74.06	77.37	90.06	69.06	54.39
388	69.20	69.32	77.44	74.02	77.07	89.93	68.85	54.22
389	69.92	70.04	78.45	74.72	77.79	89.13	69.41	55.22
390	69.85	69.97	78.30	74.62	78.04	90.09	69.66	55.19

**This Page Intentionally Left Blank**

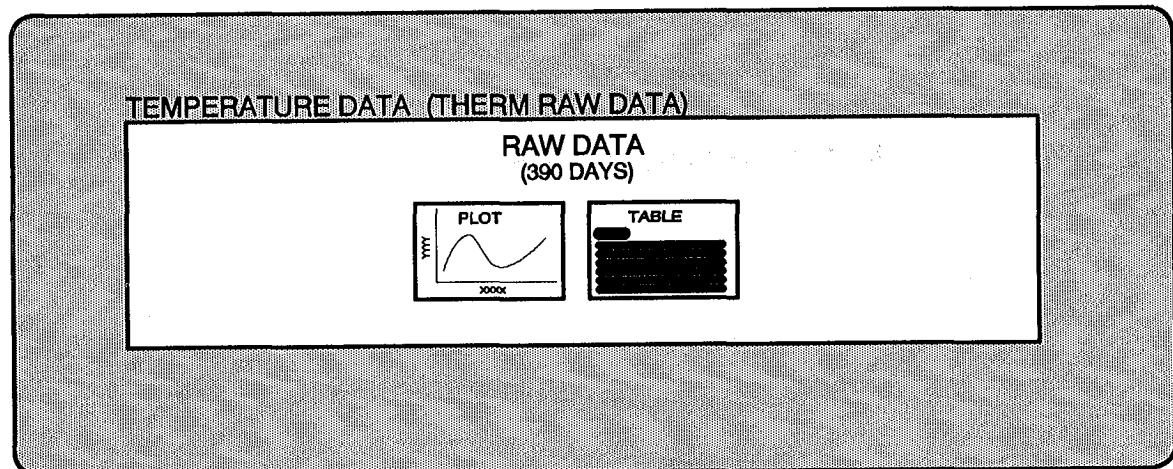
## APPENDIX F

TEMPERATURE DATA (THERM RAW DATA)

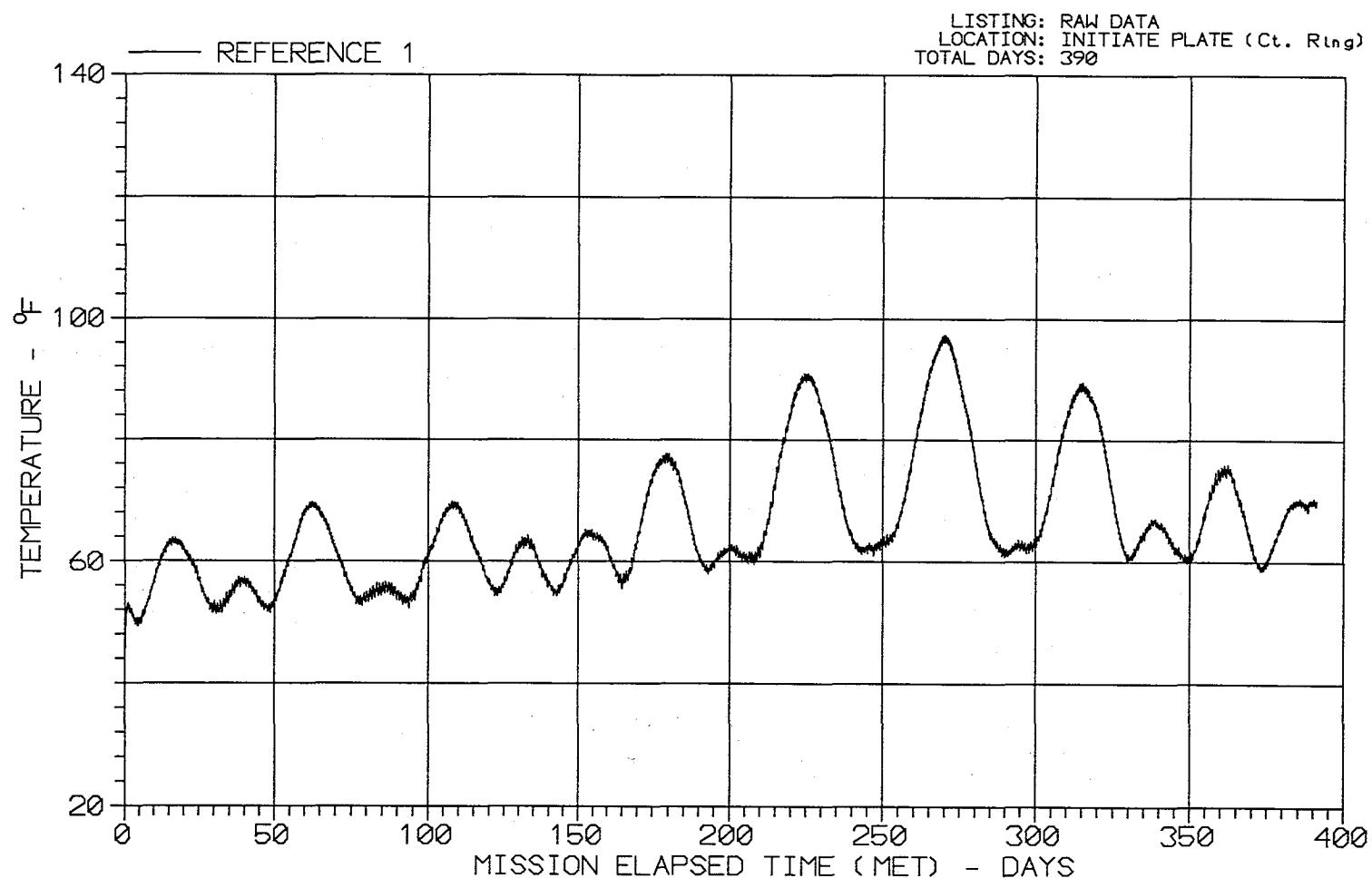
RAW DATA  
(390 DAYS)

PLOT

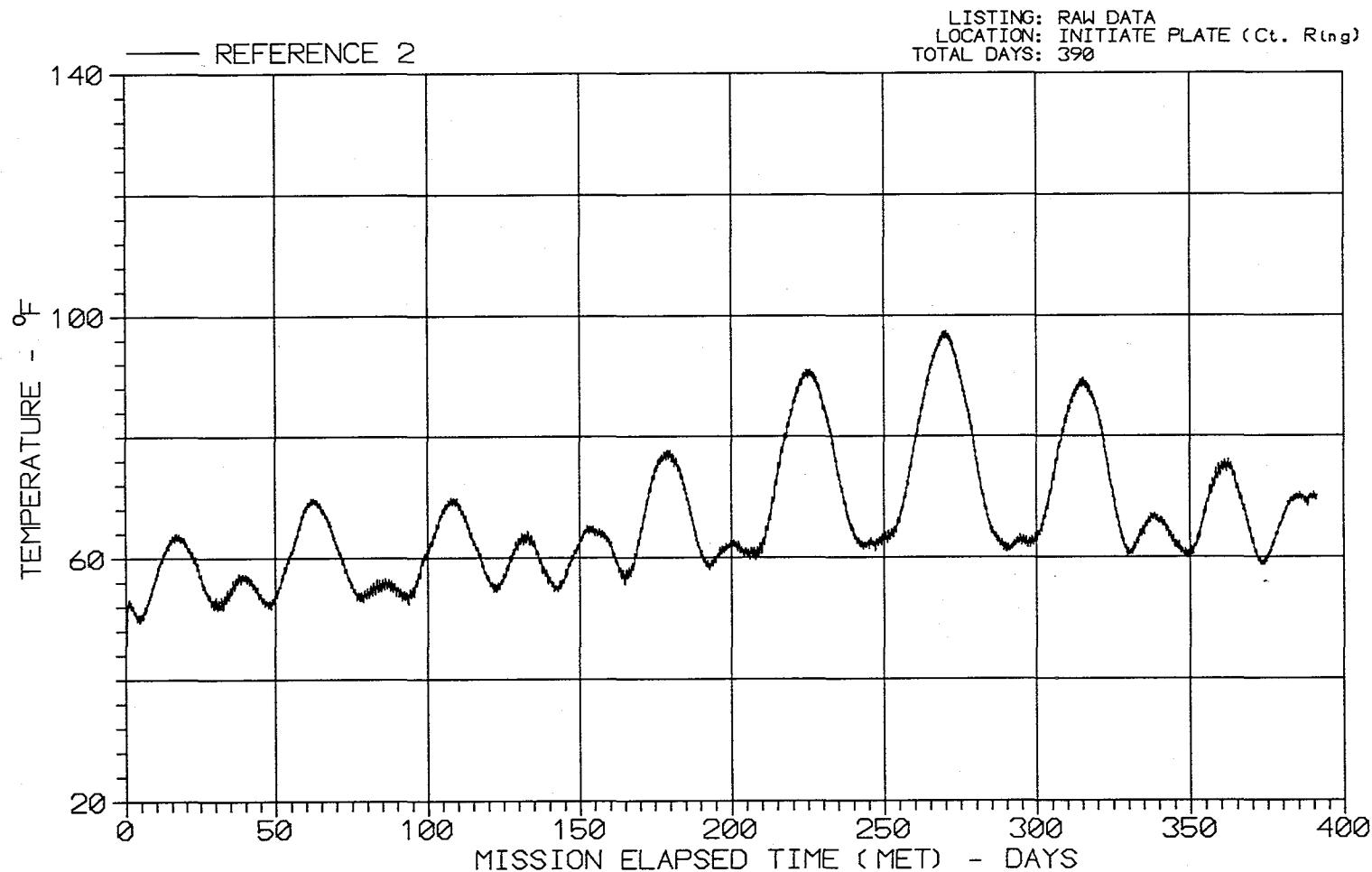
TABLE



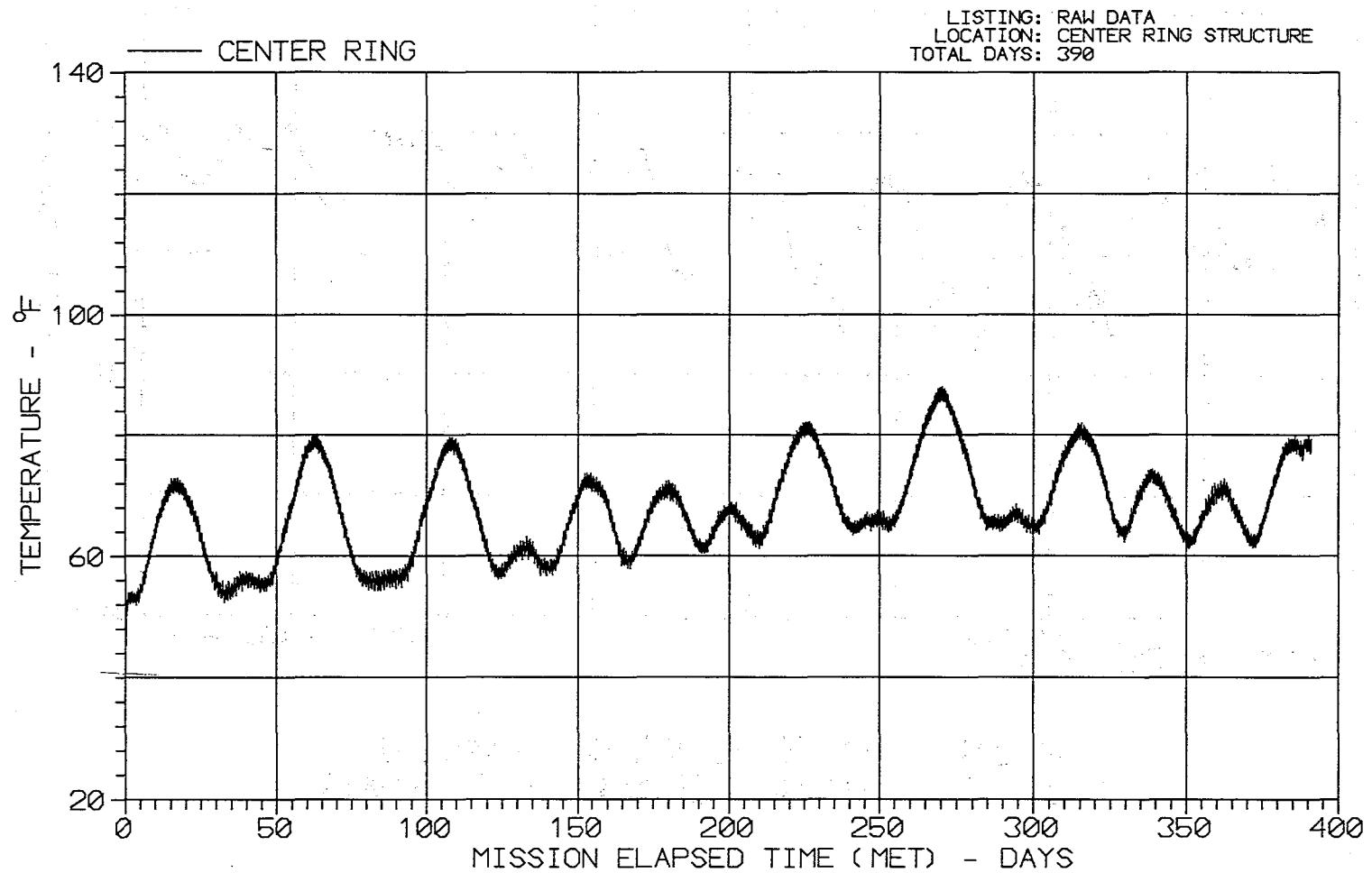
LONG DURATION EXPOSURE FACILITY  
THERMAL MEASUREMENTS SYSTEM



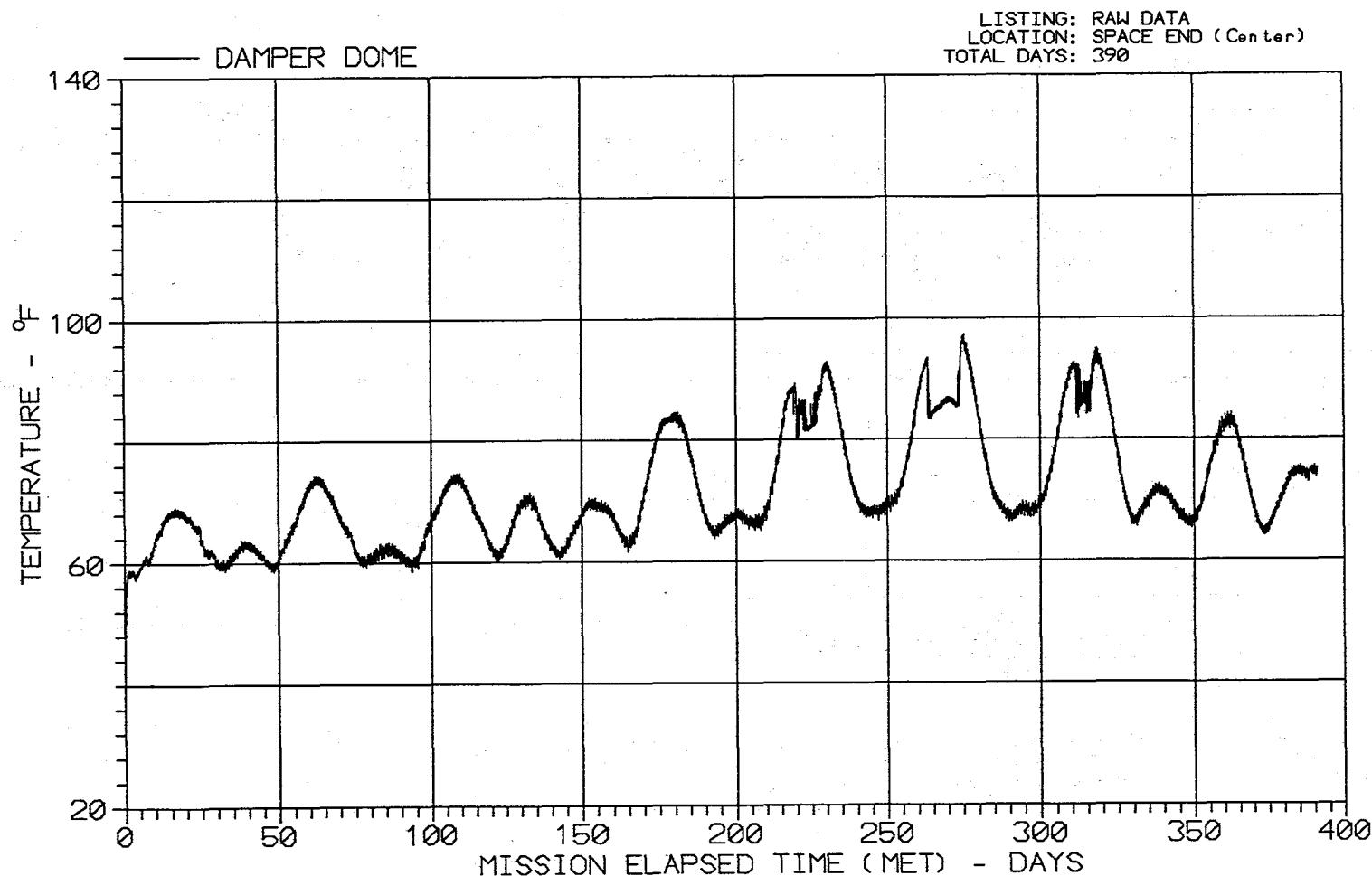
LONG DURATION EXPOSURE FACILITY  
THERMAL MEASUREMENTS SYSTEM



LONG DURATION EXPOSURE FACILITY  
THERMAL MEASUREMENTS SYSTEM



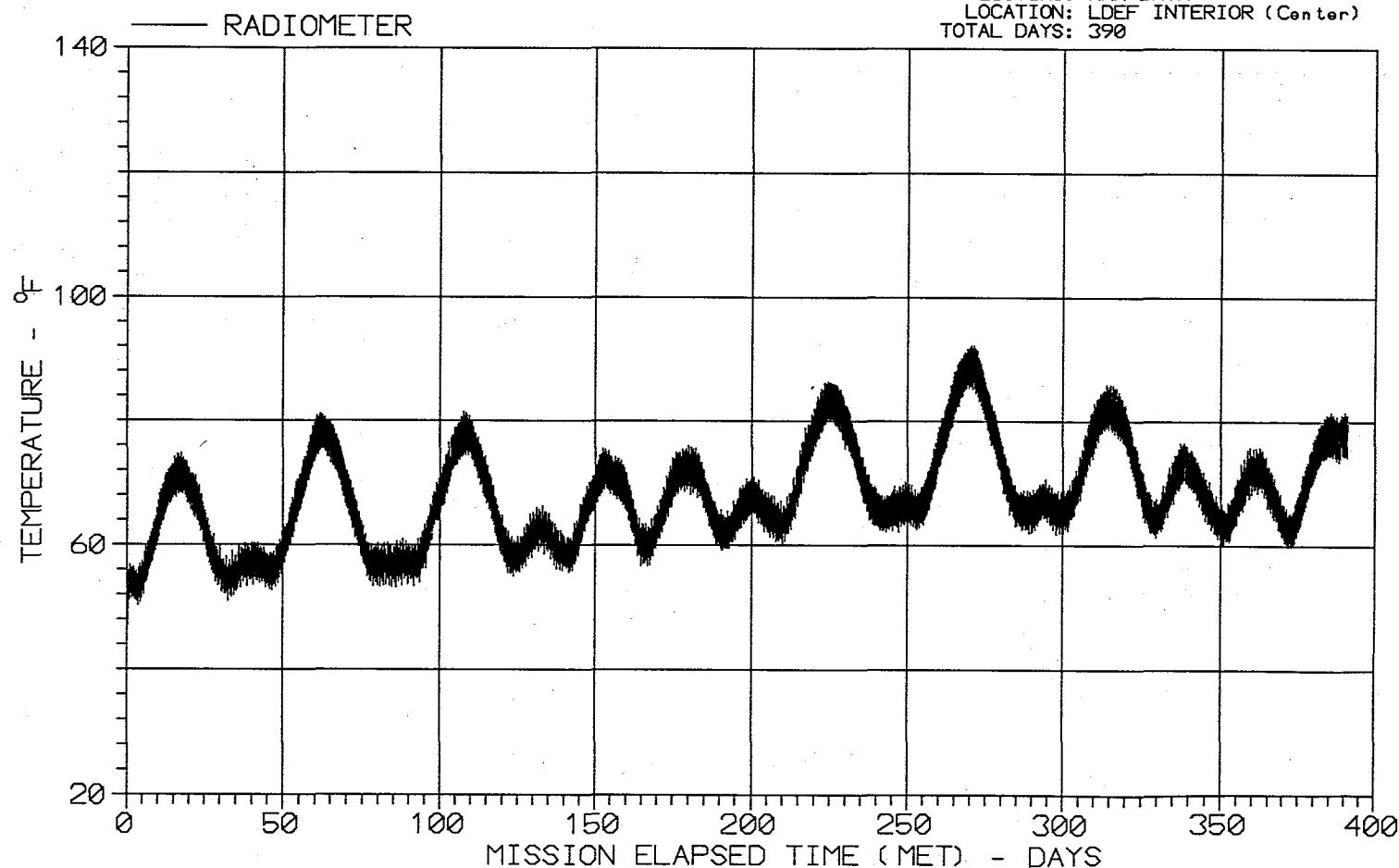
LONG DURATION EXPOSURE FACILITY  
THERMAL MEASUREMENTS SYSTEM



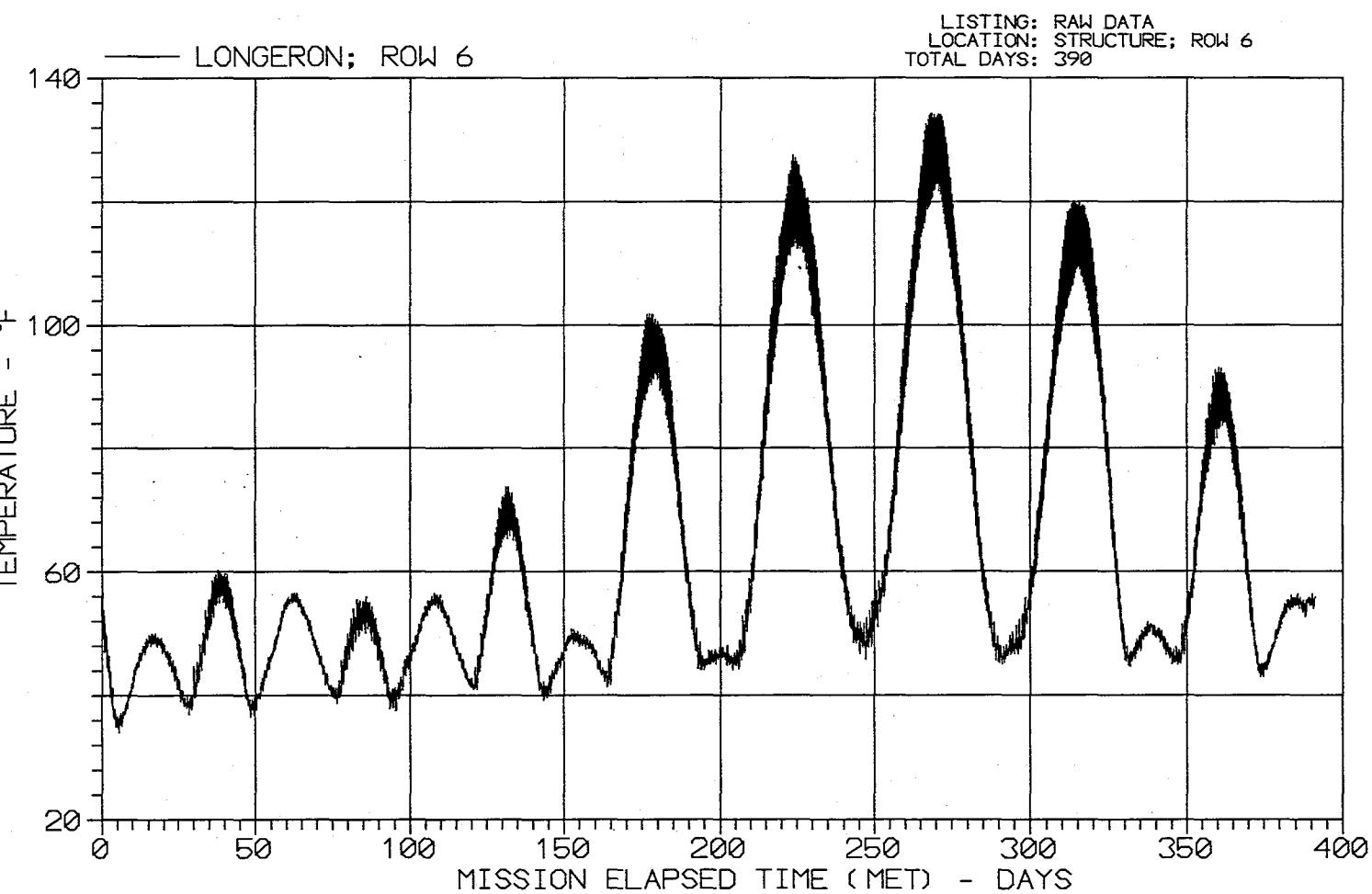
LONG DURATION EXPOSURE FACILITY  
THERMAL MEASUREMENTS SYSTEM

LISTING: RAW DATA  
LOCATION: LDEF INTERIOR (Center)  
TOTAL DAYS: 390

F-22

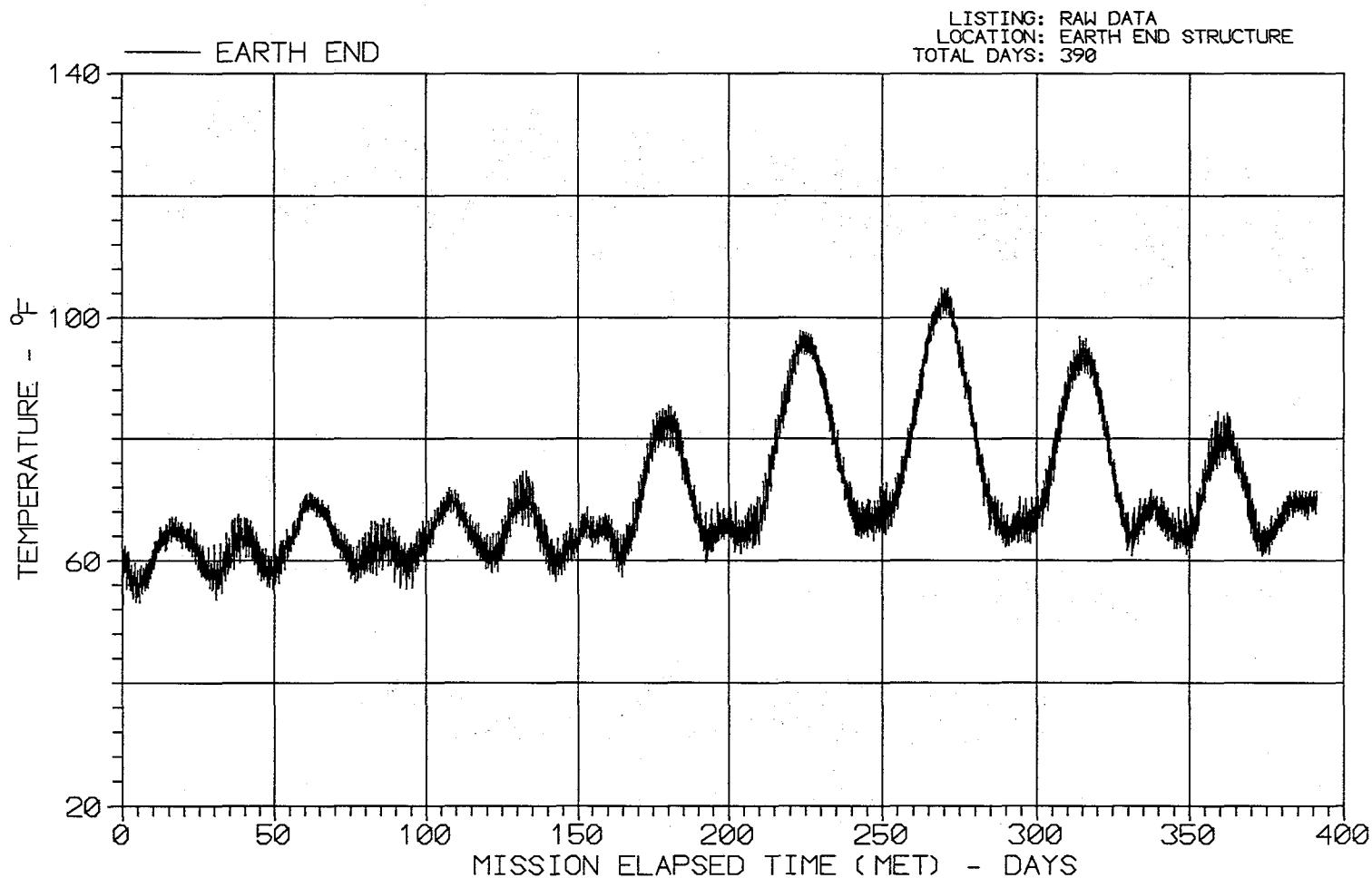


LONG DURATION EXPOSURE FACILITY  
THERMAL MEASUREMENTS SYSTEM



LONG DURATION EXPOSURE FACILITY  
THERMAL MEASUREMENTS SYSTEM

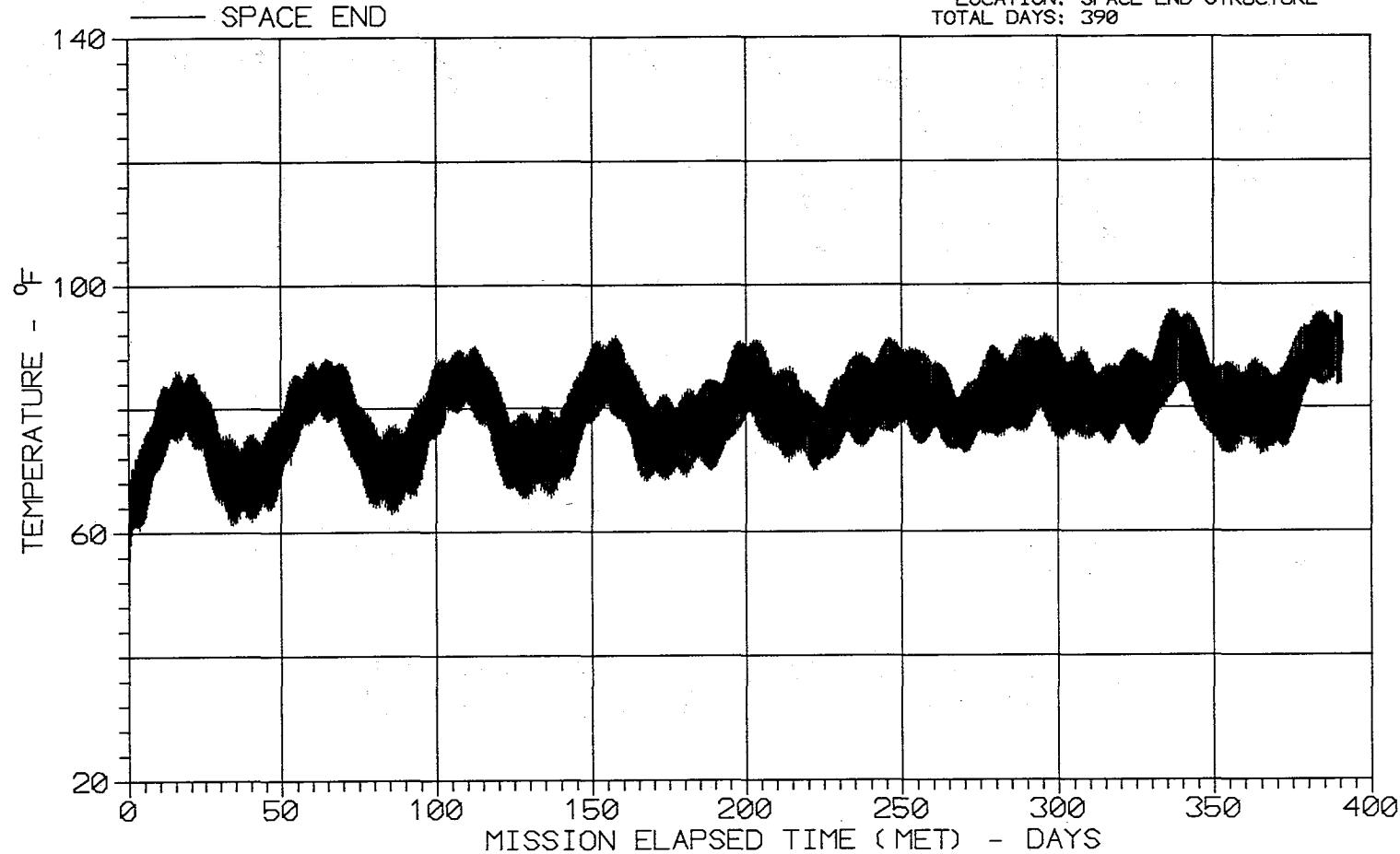
F - 24



LONG DURATION EXPOSURE FACILITY  
THERMAL MEASUREMENTS SYSTEM

LISTING: RAW DATA  
LOCATION: SPACE END STRUCTURE  
TOTAL DAYS: 390

F - 25



**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
0.08	45.08	45.08	43.21	47.65	43.61	41.32	45.86	43.60
0.16	46.49	46.55	47.30	48.40	50.31	55.71	59.52	55.84
0.24	48.73	48.84	49.62	49.22	53.13	59.21	60.87	56.59
0.31	50.07	50.13	50.65	50.60	52.14	56.91	58.65	50.73
0.39	50.91	50.97	50.40	53.05	49.71	55.68	57.37	51.31
0.47	51.25	51.30	50.68	54.44	51.13	59.69	59.99	50.77
0.55	51.53	51.58	51.25	55.21	53.65	68.79	60.01	49.30
0.63	51.92	51.98	52.61	56.28	55.88	67.05	61.79	53.80
0.71	52.48	52.59	52.85	56.99	53.94	63.71	58.26	52.03
0.78	52.37	52.42	52.19	56.98	51.22	58.21	58.11	46.97
0.86	51.98	52.03	52.03	56.78	51.69	62.20	58.08	47.37
0.94	52.31	52.37	52.77	57.42	54.83	69.99	62.44	49.56
1.02	52.98	53.04	53.90	58.28	56.77	70.29	62.41	51.54
1.10	53.04	53.15	53.92	58.55	55.07	64.35	59.69	48.81
1.18	52.87	52.93	53.22	58.36	52.18	59.78	58.26	47.74
1.25	52.70	52.76	52.76	58.25	52.30	61.85	59.94	48.63
1.33	52.70	52.76	53.05	58.37	54.53	70.29	60.82	47.22
1.41	52.65	52.70	53.51	58.63	56.14	70.50	60.24	49.72
1.49	52.70	52.76	53.79	58.93	55.05	64.88	58.89	49.51
1.57	52.42	52.53	52.68	58.56	51.47	60.80	55.37	45.90
1.65	51.75	51.81	52.15	57.98	51.47	61.36	57.68	44.76
1.72	51.58	51.64	52.39	57.88	53.76	70.16	58.92	44.59
1.80	51.81	51.92	53.38	58.38	56.24	70.32	61.35	47.40
1.88	52.14	52.26	53.99	58.77	55.44	66.22	59.42	45.62
1.96	52.03	52.14	53.38	58.47	52.58	60.94	57.72	44.01
2.04	51.64	51.70	52.61	57.99	51.64	61.78	57.12	44.20
2.12	51.47	51.53	52.62	58.07	53.82	69.70	59.60	43.94
2.19	51.75	51.81	53.58	58.48	56.45	72.00	61.45	46.43
2.27	52.09	52.14	54.14	58.81	55.76	66.15	59.60	46.33
2.35	51.92	51.98	53.18	58.52	52.21	61.52	55.90	43.78
2.43	51.30	51.36	52.33	58.22	51.25	61.09	57.23	42.19
2.51	50.97	51.02	52.40	58.25	53.95	69.65	58.40	41.41
2.59	51.14	51.19	53.02	58.67	55.49	72.01	58.30	43.87
2.66	51.25	51.30	53.65	59.03	55.26	66.56	57.53	42.66
2.74	51.08	51.14	53.02	58.74	52.23	62.39	55.24	39.84
2.82	50.69	50.75	52.52	58.35	51.21	61.02	56.61	40.06
2.90	50.63	50.69	52.69	58.29	53.67	69.76	58.06	39.91
2.98	50.86	50.97	53.46	58.47	55.87	72.73	59.28	41.23
3.06	51.08	51.19	53.97	58.76	55.53	67.94	57.39	41.19
3.13	50.91	50.97	53.26	58.51	52.52	62.49	55.07	40.11
3.21	50.52	50.58	52.52	58.05	50.98	61.12	55.56	39.44
3.29	50.24	50.30	52.41	57.77	53.17	69.11	57.05	38.89
3.37	50.35	50.47	52.95	57.67	55.08	73.56	57.46	40.10
3.45	50.52	50.58	53.55	57.99	55.22	67.90	56.27	41.13
3.53	50.35	50.41	52.98	57.89	52.36	63.18	53.80	39.27
3.60	49.84	49.90	51.96	57.38	50.36	60.54	54.35	37.43
3.68	49.61	49.67	52.24	57.33	52.94	68.94	56.07	36.75
3.76	49.78	49.90	52.96	57.85	55.32	73.71	58.04	36.87
3.84	50.24	50.35	54.15	58.42	56.23	68.79	58.14	37.06
3.92	50.47	50.52	53.94	58.43	53.62	64.36	56.21	36.64
4.00	50.19	50.30	53.13	58.12	51.53	61.26	56.05	36.38
4.07	49.90	49.96	52.87	57.93	53.34	69.14	56.09	36.33
4.15	50.13	50.19	53.61	58.22	56.21	74.28	59.67	37.27
4.23	50.69	50.75	54.74	58.78	56.88	69.90	58.29	37.84
4.31	50.69	50.75	54.17	58.72	53.67	64.76	54.49	36.51

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
4.39	50.02	50.07	52.76	58.23	50.82	61.42	53.29	35.21
4.47	49.37	49.43	52.35	58.28	52.36	68.54	54.15	35.00
4.54	49.31	49.43	52.83	58.37	54.97	74.57	56.33	35.24
4.62	49.73	49.84	54.10	58.90	56.35	69.88	56.56	35.39
4.70	49.90	49.96	53.96	58.86	53.69	65.41	54.06	35.00
4.78	49.67	49.78	53.18	58.66	51.42	61.64	54.56	34.97
4.86	49.67	49.73	53.50	58.63	53.57	69.08	56.03	35.74
4.94	50.13	50.24	54.26	58.93	56.35	75.44	58.38	36.59
5.01	50.63	50.69	55.37	59.40	57.40	71.34	57.09	36.36
5.09	50.69	50.80	55.12	59.42	54.90	66.57	55.05	36.10
5.17	50.58	50.63	54.46	59.28	52.64	62.42	55.88	35.95
5.25	50.47	50.52	54.41	59.18	53.96	69.16	55.68	35.93
5.33	50.47	50.52	54.41	59.24	55.85	75.83	55.94	35.48
5.41	50.52	50.63	55.17	59.56	57.08	72.14	55.24	35.03
5.48	50.35	50.47	54.89	59.58	54.63	66.96	53.21	34.33
5.56	50.02	50.13	54.05	59.38	52.10	62.69	54.12	34.08
5.64	49.78	49.90	54.10	59.33	53.83	68.61	55.12	34.65
5.72	50.13	50.19	54.81	59.46	56.67	76.12	57.56	35.85
5.80	50.75	50.86	56.26	60.03	58.80	72.89	58.56	36.51
5.88	51.25	51.30	56.67	60.19	56.92	68.51	56.91	36.81
5.95	51.25	51.30	55.82	60.01	53.94	64.07	56.38	36.37
6.03	50.91	50.97	55.31	59.86	54.58	69.15	55.78	36.03
6.11	51.14	51.25	55.96	60.05	57.76	76.51	58.85	36.90
6.19	51.70	51.81	57.31	60.55	59.80	74.17	59.15	37.21
6.27	51.92	52.03	57.31	60.76	57.40	69.47	55.74	36.55
6.35	51.58	51.64	56.21	60.41	54.11	64.76	55.03	35.64
6.42	51.08	51.14	55.59	60.21	54.52	68.97	54.62	35.04
6.50	50.97	51.02	55.82	60.23	57.16	76.42	56.63	35.28
6.58	51.30	51.42	57.10	60.65	59.53	74.65	57.78	36.01
6.66	51.64	51.70	57.52	60.89	57.89	69.95	56.15	36.23
6.74	51.58	51.70	56.74	60.62	54.82	65.68	55.50	36.21
6.82	51.42	51.53	56.47	60.58	55.40	69.14	56.49	36.39
6.89	51.75	51.81	57.12	60.69	58.46	77.18	58.56	37.14
6.97	52.20	52.31	58.22	61.17	60.53	75.71	58.76	37.36
7.05	52.48	52.59	58.62	61.38	58.99	71.14	56.58	37.38
7.13	52.48	52.59	57.99	61.31	56.06	66.74	56.31	37.11
7.21	52.31	52.37	57.51	60.76	56.09	69.38	56.38	36.91
7.29	52.37	52.42	57.73	60.81	58.62	77.25	57.50	37.06
7.36	52.76	52.87	58.94	60.31	61.19	76.96	58.53	37.49
7.44	53.04	53.15	59.28	60.65	59.65	72.22	55.81	37.42
7.52	52.93	53.04	58.55	60.35	56.56	67.72	55.17	37.12
7.60	52.70	52.81	58.21	59.81	56.57	69.43	56.71	37.08
7.68	52.93	52.98	58.63	60.01	59.46	77.53	58.50	37.80
7.76	53.32	53.43	59.72	60.55	61.97	77.85	59.53	38.31
7.83	53.65	53.76	60.35	60.76	61.06	73.08	58.10	38.40
7.91	53.65	53.71	59.58	60.43	57.61	68.76	55.69	38.10
7.99	53.26	53.32	58.80	59.98	57.16	69.51	56.18	37.61
8.07	53.37	53.49	59.28	60.24	60.15	77.47	58.80	38.38
8.15	53.88	53.99	60.33	60.80	62.41	78.92	59.30	38.97
8.22	54.16	54.27	60.90	61.08	61.60	73.93	57.63	38.72
8.30	54.16	54.21	60.36	60.92	58.46	69.51	55.57	38.61
8.38	53.82	53.88	59.52	60.41	57.49	69.62	56.03	38.00
8.46	53.76	53.82	59.75	60.53	60.57	77.56	58.63	38.48
8.54	54.32	54.44	61.13	61.37	63.42	79.79	60.17	39.60
8.62	54.99	55.11	62.24	61.90	63.35	75.00	60.05	40.19

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
8.69	55.11	55.16	61.47	61.50	59.69	70.88	56.52	39.75
8.77	54.72	54.83	60.72	60.96	58.53	69.90	57.92	39.30
8.85	54.77	54.83	60.97	61.04	61.28	78.01	59.54	39.77
8.93	55.16	55.27	61.90	61.64	63.91	80.43	60.31	40.37
9.01	55.55	55.67	62.85	62.15	63.90	76.00	59.47	40.59
9.09	55.55	55.67	62.22	61.90	60.56	71.43	57.08	40.06
9.16	55.27	55.33	61.41	61.48	59.11	70.07	57.48	39.75
9.24	55.33	55.39	61.58	61.72	61.67	77.76	58.87	40.16
9.32	55.67	55.78	62.44	62.33	64.24	81.61	59.14	40.62
9.40	56.00	56.11	63.40	62.83	64.51	76.69	58.68	40.87
9.48	56.06	56.11	63.09	62.68	61.53	72.42	57.91	40.98
9.56	55.95	56.00	62.31	62.39	59.89	70.38	58.69	40.69
9.63	56.00	56.11	62.49	62.65	62.35	77.83	59.90	41.13
9.71	56.34	56.45	63.28	63.24	65.36	82.09	61.65	41.83
9.79	56.78	56.90	64.40	63.74	65.86	77.46	60.94	41.92
9.87	56.84	56.95	64.00	63.67	62.62	73.39	58.72	41.89
9.95	56.56	56.67	62.99	63.15	60.47	70.39	58.71	41.17
10.03	56.45	56.56	63.06	63.10	62.80	77.65	60.08	41.49
10.10	56.73	56.84	63.90	63.56	65.86	82.47	61.76	42.31
10.18	57.29	57.40	65.29	64.24	67.04	78.56	61.89	42.96
10.26	57.57	57.68	65.00	64.39	63.80	74.10	59.35	42.72
10.34	57.34	57.40	63.97	64.08	61.33	70.94	58.67	42.19
10.42	57.18	57.29	63.94	64.00	63.51	77.65	60.03	42.58
10.50	57.57	57.68	64.89	64.32	66.97	83.29	62.94	43.51
10.57	58.29	58.41	66.47	64.99	68.25	79.26	63.06	44.15
10.65	58.52	58.63	66.11	64.89	65.01	75.01	60.39	44.12
10.73	58.24	58.35	65.11	64.38	62.47	71.40	60.81	43.56
10.81	58.01	58.13	64.94	64.22	64.40	77.78	61.47	43.51
10.89	58.24	58.35	65.56	64.50	67.29	83.50	62.65	44.19
10.97	58.74	58.80	66.88	65.09	68.78	79.85	63.21	44.58
11.04	58.85	58.96	66.68	65.04	65.64	75.69	60.46	44.28
11.12	58.68	58.80	65.83	64.64	63.19	71.75	61.34	44.19
11.20	58.68	58.80	65.78	64.57	64.90	77.47	61.42	44.19
11.28	58.91	59.02	66.45	65.04	68.07	83.89	63.14	44.87
11.36	59.41	59.52	67.74	65.67	69.51	80.97	62.67	45.28
11.44	59.57	59.68	67.68	65.64	66.86	76.58	61.53	45.28
11.51	59.35	59.46	66.61	65.11	63.81	72.50	61.65	44.69
11.59	59.13	59.24	66.28	64.89	65.18	77.29	61.96	44.74
11.67	59.30	59.41	66.78	65.12	68.18	83.75	63.44	45.35
11.75	59.68	59.79	67.90	65.69	69.89	81.06	63.39	45.47
11.83	59.79	59.90	67.89	65.68	67.31	76.89	61.49	45.41
11.91	59.57	59.63	66.81	65.19	64.06	72.69	61.41	44.72
11.98	59.30	59.35	66.47	64.85	65.31	76.72	62.19	44.88
12.06	59.52	59.63	67.22	65.28	68.72	83.61	64.26	45.92
12.14	60.18	60.29	68.79	66.18	71.11	81.81	65.46	46.69
12.22	60.62	60.73	69.17	66.75	68.75	77.88	63.10	46.88
12.30	60.46	60.57	68.06	66.40	65.14	73.58	61.80	46.08
12.38	60.18	60.23	67.47	66.16	65.79	76.80	61.84	45.78
12.45	60.34	60.46	68.11	66.54	69.04	83.81	64.14	46.24
12.53	60.79	60.90	69.32	67.04	71.43	82.58	65.01	46.87
12.61	61.01	61.12	69.49	67.20	69.25	78.25	62.88	46.83
12.69	60.84	60.90	68.40	66.83	65.67	74.11	62.33	46.28
12.77	60.46	60.51	67.74	66.50	66.01	76.28	62.47	45.88
12.85	60.46	60.57	68.11	66.64	69.32	83.39	63.46	46.26
12.92	60.84	60.95	69.32	67.15	71.43	82.81	64.54	46.65

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
13.00	61.17	61.28	69.82	67.36	69.79	78.85	62.87	46.90
13.08	61.12	61.23	68.99	67.13	66.31	74.68	62.55	46.94
13.16	60.90	61.01	68.49	66.85	66.54	76.04	63.03	46.81
13.24	61.01	61.12	68.82	67.01	69.47	83.24	63.65	47.18
13.32	61.45	61.56	70.08	67.51	72.08	83.67	64.89	47.99
13.39	61.84	61.95	70.81	67.85	70.96	79.58	64.39	47.94
13.47	61.78	61.89	69.86	67.54	67.25	75.42	63.03	47.53
13.55	61.50	61.61	69.08	67.21	66.97	75.85	63.64	47.24
13.63	61.45	61.56	69.25	67.33	69.79	82.97	64.72	47.63
13.71	61.84	61.95	70.25	67.79	72.24	84.04	65.01	47.85
13.79	62.11	62.22	70.86	68.06	71.33	79.86	63.89	47.96
13.86	61.95	62.06	69.97	67.71	67.47	75.85	61.63	47.43
13.94	61.45	61.56	68.97	67.22	66.69	75.36	62.62	46.74
14.02	61.39	61.50	69.19	67.28	69.74	82.39	64.31	47.40
14.10	61.84	61.95	70.25	67.79	72.47	84.57	65.97	48.12
14.18	62.44	62.55	71.40	68.39	72.17	80.18	64.83	48.65
14.26	62.44	62.50	70.88	68.06	68.22	76.40	61.92	48.35
14.33	62.17	62.22	69.76	67.65	67.10	75.42	62.96	47.63
14.41	62.06	62.17	70.01	67.69	70.11	82.33	64.71	48.08
14.49	62.50	62.61	71.01	68.14	72.89	85.22	65.76	48.79
14.57	62.94	63.05	71.89	68.51	72.93	80.75	65.50	49.15
14.65	62.99	63.05	71.25	68.24	69.16	77.20	63.00	48.74
14.73	62.55	62.61	70.15	67.61	67.54	75.10	63.78	47.94
14.80	62.28	62.39	70.07	67.61	70.00	81.94	64.40	48.13
14.88	62.55	62.66	70.89	68.00	72.67	85.18	65.03	48.31
14.96	62.77	62.88	71.79	68.47	72.89	81.56	64.21	48.63
15.04	62.88	62.99	71.33	68.28	69.53	77.21	63.35	48.74
15.12	62.72	62.83	70.61	67.81	67.97	75.03	64.24	48.66
15.20	62.66	62.77	70.61	67.82	70.32	81.36	65.06	48.78
15.27	63.05	63.16	71.67	68.43	73.72	86.11	66.93	49.62
15.35	63.49	63.60	72.76	68.93	74.15	82.08	66.58	49.72
15.43	63.55	63.66	72.22	68.75	70.51	78.11	64.44	49.60
15.51	63.22	63.33	71.00	68.18	68.18	75.07	64.56	48.81
15.59	62.94	63.05	70.72	67.97	69.97	81.02	64.54	48.63
15.67	63.05	63.16	71.28	68.38	72.76	85.76	65.43	48.91
15.74	63.27	63.44	72.25	68.81	73.74	82.16	64.99	49.17
15.82	63.33	63.44	71.89	68.64	70.41	78.51	63.17	48.84
15.90	62.94	63.05	70.61	67.97	67.74	74.72	63.22	48.01
15.98	62.55	62.66	70.39	67.82	69.71	80.29	64.25	48.40
16.06	62.88	62.99	71.33	68.28	73.22	85.68	67.19	49.28
16.14	63.55	63.66	72.82	68.99	74.60	82.93	66.72	49.94
16.21	63.77	63.93	72.79	68.99	71.49	78.89	64.96	50.03
16.29	63.66	63.77	71.82	68.50	68.78	75.51	65.08	49.62
16.37	63.44	63.55	71.49	68.39	70.18	80.46	65.47	49.49
16.45	63.55	63.66	71.82	68.68	73.04	86.15	66.29	49.77
16.53	63.82	63.93	72.76	69.14	74.54	83.03	66.13	49.88
16.61	63.88	63.99	72.49	69.01	71.46	79.14	64.07	49.40
16.68	63.38	63.44	71.13	68.32	68.20	75.13	63.99	48.60
16.76	62.88	62.99	70.61	67.97	69.42	79.48	64.14	48.39
16.84	62.99	63.16	71.08	68.29	72.24	85.56	64.71	48.44
16.92	63.27	63.38	72.11	68.72	73.99	83.26	65.04	48.78
17.00	63.44	63.55	72.22	68.82	71.47	79.40	63.90	49.13
17.08	63.22	63.27	71.30	68.27	68.38	75.31	64.53	48.88
17.15	62.94	63.05	70.83	67.97	69.36	78.75	64.36	48.71
17.23	63.11	63.22	71.50	68.32	72.99	85.38	66.72	49.40

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
17.31	63.60	63.71	72.88	68.99	74.82	84.21	67.22	50.01
17.39	63.82	63.93	72.76	69.07	72.13	79.88	64.72	49.78
17.47	63.49	63.55	71.40	68.43	68.42	75.76	64.28	48.89
17.55	62.94	63.05	70.56	67.97	68.68	78.14	63.49	48.18
17.62	62.83	62.94	70.67	68.10	71.43	84.85	64.35	48.33
17.70	63.11	63.22	71.72	68.61	73.72	83.72	65.40	48.79
17.78	63.27	63.38	72.05	68.78	71.86	80.04	63.83	48.96
17.86	63.11	63.22	71.00	68.25	68.24	75.93	63.40	48.35
17.94	62.66	62.72	70.20	67.66	68.33	77.49	63.45	47.96
18.02	62.61	62.72	70.61	67.94	71.82	84.36	65.61	48.64
18.09	63.11	63.22	71.94	68.56	74.00	84.32	66.36	49.24
18.17	63.44	63.55	72.50	68.82	72.47	80.54	65.13	49.49
18.25	63.44	63.49	71.74	68.49	68.93	76.50	64.66	49.28
18.33	63.16	63.27	71.00	68.07	68.74	77.47	64.68	48.94
18.41	63.05	63.11	70.92	68.17	71.29	84.25	65.41	48.97
18.49	63.27	63.38	71.66	68.65	73.43	84.84	65.31	48.87
18.56	63.38	63.49	72.04	68.76	72.31	80.50	64.37	48.72
18.64	63.16	63.27	71.06	68.25	68.51	76.51	63.28	48.40
18.72	62.72	62.77	70.20	67.72	68.05	76.58	63.86	48.19
18.80	62.72	62.83	70.44	67.93	70.93	83.78	65.29	48.49
18.88	62.99	63.11	71.44	68.50	73.50	85.18	66.00	49.12
18.96	63.27	63.38	72.00	68.72	72.48	81.08	64.53	49.05
19.03	63.11	63.16	71.03	68.22	68.54	76.79	62.93	48.41
19.11	62.61	62.72	70.11	67.64	67.63	75.89	63.24	47.85
19.19	62.44	62.55	70.35	67.78	70.65	83.07	65.54	48.65
19.27	62.94	63.11	71.47	68.42	73.36	85.77	66.32	49.26
19.35	63.22	63.33	71.94	68.72	72.54	81.38	64.72	49.08
19.43	62.94	63.05	70.72	68.14	68.36	76.92	62.17	48.01
19.50	62.22	62.33	69.40	67.43	66.79	75.32	62.51	46.92
19.58	61.89	62.00	69.41	67.35	69.50	82.18	64.36	47.19
19.66	62.11	62.22	70.29	67.75	72.40	85.63	65.64	47.96
19.74	62.55	62.66	71.29	68.25	72.39	81.43	65.11	48.40
19.82	62.66	62.72	70.70	67.97	68.83	77.40	63.28	48.31
19.90	62.28	62.33	69.54	67.28	66.93	75.18	63.59	47.57
19.97	61.84	61.95	69.25	67.11	69.00	81.78	63.88	47.23
20.05	62.00	62.11	69.97	67.51	71.79	85.69	65.18	47.58
20.13	62.28	62.39	71.07	67.92	72.22	81.68	65.01	47.94
20.21	62.33	62.44	70.68	67.72	68.88	77.63	63.58	48.09
20.29	62.00	62.11	69.47	67.15	66.57	75.02	63.17	47.40
20.37	61.61	61.73	68.92	66.89	68.22	81.29	63.22	46.92
20.44	61.56	61.67	69.19	67.32	70.74	85.69	63.69	46.69
20.52	61.67	61.78	70.03	67.86	71.35	81.53	63.53	46.80
20.60	61.61	61.67	69.56	67.60	68.03	77.25	62.23	46.71
20.68	61.34	61.39	68.51	67.01	65.76	74.17	62.83	46.34
20.76	61.12	61.23	68.32	66.89	67.85	80.54	63.60	46.49
20.84	61.39	61.50	69.08	67.35	70.91	85.79	65.10	47.05
20.91	61.67	61.78	69.97	67.74	71.47	81.88	64.14	47.06
20.99	61.50	61.61	69.47	67.57	68.11	77.69	62.31	46.72
21.07	61.12	61.23	68.25	67.07	65.46	73.79	62.37	46.06
21.15	60.84	60.95	68.15	67.04	67.39	79.83	63.31	46.22
21.23	61.17	61.28	68.87	67.43	70.53	85.85	65.32	47.08
21.31	61.56	61.67	69.81	67.88	71.36	82.38	64.39	47.13
21.38	61.45	61.56	69.14	67.58	68.00	77.81	62.17	46.49
21.46	60.90	61.01	67.76	67.08	64.83	73.67	61.72	45.39
21.54	60.29	60.40	67.21	66.61	66.28	79.04	62.60	45.21

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
21.62	60.46	60.57	67.82	66.96	69.60	85.22	65.04	46.08
21.70	60.84	61.01	68.90	67.37	70.84	82.14	64.31	46.51
21.78	60.95	61.01	68.63	67.30	67.82	77.82	61.83	45.95
21.85	60.46	60.51	67.35	66.68	64.54	73.65	61.68	45.18
21.93	59.96	60.01	66.79	66.13	65.63	78.33	61.88	44.76
22.01	60.01	60.12	67.39	66.21	69.00	84.97	64.60	45.46
22.09	60.62	60.73	69.00	66.88	71.22	82.60	66.25	46.44
22.17	61.01	61.12	69.21	67.20	68.68	78.51	64.28	46.92
22.25	60.84	60.95	67.82	66.49	64.96	73.97	62.44	45.95
22.32	60.34	60.46	66.99	65.93	65.64	78.04	62.83	45.35
22.40	60.18	60.29	67.10	66.07	68.26	84.79	63.80	45.28
22.48	60.34	60.46	68.00	66.60	69.93	82.58	63.96	45.44
22.56	60.34	60.40	67.86	66.57	67.55	77.93	62.44	45.33
22.64	59.96	60.07	66.65	66.03	64.01	73.54	61.65	44.69
22.71	59.35	59.46	65.76	65.49	64.21	76.89	60.78	43.90
22.79	59.19	59.30	65.88	65.57	66.99	84.07	62.28	43.99
22.87	59.46	59.57	67.00	66.03	69.18	82.42	63.42	44.28
22.95	59.63	59.74	67.22	66.07	67.08	77.94	62.01	44.53
23.03	59.52	59.63	66.38	65.71	63.85	73.63	62.08	44.42
23.11	59.35	59.46	65.99	65.43	64.54	76.36	62.35	44.51
23.18	59.74	59.85	66.61	65.86	67.76	84.08	64.93	45.53
23.26	60.01	60.12	67.44	66.32	69.55	83.22	65.11	45.64
23.34	60.18	60.23	67.36	66.35	67.33	78.38	62.37	45.07
23.42	59.63	59.68	65.96	65.61	63.43	73.71	60.77	43.98
23.50	59.02	59.08	65.07	65.13	63.16	75.48	61.03	43.36
23.58	58.85	58.96	65.15	65.24	65.97	82.96	62.81	43.74
23.65	58.96	59.08	65.82	65.64	67.90	82.72	62.67	43.69
23.73	58.96	59.02	65.97	65.75	66.29	77.97	60.80	43.30
23.81	58.57	58.68	64.93	65.39	62.69	73.40	59.56	42.85
23.89	57.96	58.07	64.10	65.08	62.31	74.47	60.27	42.40
23.97	58.01	58.13	64.38	65.26	65.25	82.24	62.51	42.99
24.05	58.46	58.57	65.67	65.94	68.14	82.93	64.71	43.88
24.12	58.96	59.08	66.57	66.32	67.39	78.53	64.33	44.74
24.20	59.08	59.19	65.54	66.00	63.42	73.89	61.03	44.15
24.28	58.52	58.63	64.43	65.46	62.47	74.14	61.69	43.40
24.36	58.18	58.29	64.10	65.25	64.46	81.69	61.72	42.81
24.44	58.18	58.29	64.65	65.92	66.72	82.83	62.85	42.90
24.52	58.18	58.29	65.06	65.54	65.76	77.76	61.81	43.07
24.59	57.85	57.96	63.81	64.67	61.80	72.87	58.58	42.12
24.67	57.06	57.18	62.65	63.46	60.46	72.64	58.77	41.06
24.75	56.78	56.90	62.53	63.24	62.90	80.43	60.24	41.04
24.83	56.90	57.01	63.22	63.72	65.22	82.46	61.06	41.42
24.91	57.06	57.18	63.89	64.01	64.77	77.47	60.17	41.49
24.99	57.01	57.12	63.26	63.65	61.53	72.85	58.89	41.44
25.06	56.73	56.78	62.57	63.23	60.50	71.93	59.81	41.22
25.14	56.90	56.95	62.85	63.45	63.39	79.99	62.34	42.45
25.22	57.18	57.29	63.44	63.81	65.44	82.90	62.56	42.58
25.30	57.29	57.40	63.72	63.92	64.65	77.60	60.56	42.08
25.38	56.90	57.01	62.71	63.42	61.08	72.64	58.24	41.15
25.46	56.28	56.39	61.58	62.74	59.40	71.00	59.22	40.80
25.53	56.00	56.06	61.28	62.57	61.53	78.59	59.97	40.75
25.61	55.95	56.06	61.65	62.78	63.60	82.06	60.30	40.55
25.69	56.06	56.11	62.36	62.93	63.69	76.99	59.85	40.36
25.77	55.78	55.89	61.60	62.62	60.31	72.25	57.49	40.01
25.85	55.22	55.27	60.40	62.03	58.20	69.93	57.61	39.16

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
25.93	54.88	54.99	60.21	61.49	60.17	77.44	58.53	39.11
26.00	55.11	55.22	60.99	62.01	63.28	81.77	61.56	39.87
26.08	55.61	55.72	62.28	62.64	64.13	76.93	62.40	40.83
26.16	55.83	55.89	61.63	62.46	60.58	72.19	58.93	40.76
26.24	55.39	55.44	60.28	61.77	58.08	69.30	58.48	40.03
26.32	54.88	54.99	59.87	61.49	60.12	76.75	58.97	39.82
26.40	55.05	55.11	60.52	61.87	62.87	81.69	61.66	40.49
26.47	55.39	55.44	61.30	62.27	62.97	76.77	60.32	40.66
26.55	55.27	55.39	60.60	62.06	59.65	71.76	57.69	39.86
26.63	54.72	54.77	59.39	61.53	57.18	68.65	57.46	39.00
26.71	54.27	54.38	59.15	61.49	59.28	75.88	58.37	39.01
26.79	54.32	54.44	59.49	61.92	61.38	81.28	59.83	39.43
26.87	54.55	54.60	60.30	62.54	62.08	76.47	59.23	39.27
26.94	54.49	54.60	59.81	62.15	59.10	71.44	57.26	38.71
27.02	54.10	54.16	58.84	61.42	56.68	67.78	57.73	38.28
27.10	53.88	53.99	58.76	61.10	58.72	74.79	59.12	38.89
27.18	54.10	54.21	59.10	61.39	60.76	80.88	59.87	39.65
27.26	54.27	54.38	59.65	61.62	61.33	76.14	58.63	39.37
27.34	54.16	54.27	59.15	61.44	58.65	71.29	56.92	38.90
27.41	53.76	53.82	57.99	60.97	55.94	67.18	57.12	38.48
27.49	53.32	53.43	57.63	60.92	57.30	73.64	57.41	38.49
27.57	53.26	53.37	57.85	61.47	59.71	80.07	59.13	38.62
27.65	53.65	53.71	58.90	62.08	61.03	76.04	59.05	38.81
27.73	53.71	53.82	58.71	62.22	58.49	71.11	57.28	38.72
27.81	53.37	53.49	57.56	61.78	55.58	66.74	57.12	38.11
27.88	53.04	53.15	57.28	61.63	57.08	72.83	57.75	38.03
27.96	53.21	53.32	57.85	61.79	59.99	79.75	60.99	38.65
28.04	53.65	53.76	59.10	62.35	61.63	76.15	62.14	40.17
28.12	53.93	53.99	58.78	62.36	58.69	71.14	58.62	39.53
28.20	53.60	53.65	57.37	61.78	55.32	66.30	57.05	38.57
28.28	52.98	53.09	56.72	61.56	56.22	71.90	56.81	38.33
28.35	52.98	53.04	56.92	61.67	58.43	78.90	58.55	38.75
28.43	53.04	53.09	57.55	61.97	59.68	75.62	58.52	38.63
28.51	52.98	53.04	57.09	61.78	57.05	70.29	55.81	37.95
28.59	52.48	52.53	55.96	61.35	54.08	65.46	55.57	37.00
28.67	52.03	52.14	55.76	61.06	55.33	70.72	56.74	37.72
28.75	52.37	52.42	56.19	61.06	57.69	78.21	58.47	38.30
28.82	52.65	52.76	57.24	61.49	59.66	75.53	59.65	39.06
28.90	52.93	52.98	57.32	61.61	57.74	70.51	57.79	39.58
28.98	52.76	52.81	56.41	61.32	54.71	65.83	57.09	39.41
29.06	52.53	52.59	56.07	61.03	55.63	69.94	58.11	39.80
29.14	52.76	52.81	56.36	61.14	57.98	77.72	59.56	40.03
29.22	53.04	53.09	56.92	61.41	59.11	75.53	58.78	39.96
29.29	52.87	52.93	56.58	61.31	57.00	70.28	56.67	38.99
29.37	52.37	52.42	55.34	60.69	53.57	65.26	55.19	37.77
29.45	51.70	51.75	54.61	59.78	53.99	68.51	55.76	38.06
29.53	51.53	51.64	54.53	59.64	55.85	76.29	56.51	37.83
29.61	51.64	51.70	55.41	59.97	58.06	74.96	58.18	38.89
29.69	51.98	52.03	55.92	60.06	56.96	69.84	57.63	39.06
29.76	51.86	51.92	55.06	59.76	53.69	65.03	55.49	38.59
29.84	51.64	51.70	54.84	59.36	54.33	67.75	56.77	39.34
29.92	52.09	52.20	55.60	59.71	57.51	76.13	60.58	40.62
30.00	52.87	52.93	56.92	60.51	60.03	75.63	62.56	44.65
30.08	53.43	53.54	57.40	60.78	58.62	70.50	60.33	44.01
30.16	53.37	53.43	56.28	60.40	54.92	65.54	57.35	41.98

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
30.23	52.76	52.87	55.24	59.76	54.39	67.38	57.03	41.47
30.31	52.42	52.53	55.01	59.55	56.17	75.39	58.10	40.87
30.39	52.48	52.53	55.39	59.76	57.64	75.16	58.23	42.14
30.47	52.31	52.42	55.31	59.87	56.12	69.67	56.14	41.47
30.55	51.92	51.98	54.09	59.39	52.72	64.55	53.69	39.62
30.63	51.36	51.42	53.47	59.02	52.51	65.78	55.25	39.85
30.70	51.36	51.47	53.90	59.10	55.06	74.18	57.85	40.06
30.78	51.75	51.81	54.78	59.59	57.43	75.07	59.35	42.99
30.86	52.26	52.37	55.65	60.06	57.26	69.97	59.53	44.15
30.94	52.53	52.59	55.22	60.00	54.31	65.25	57.22	43.16
31.02	52.53	52.59	54.76	59.69	53.97	65.69	58.46	43.34
31.10	52.76	52.81	55.04	59.91	56.26	74.21	60.00	43.57
31.17	52.98	53.09	55.40	60.22	57.65	75.68	59.46	45.32
31.25	52.98	53.09	55.53	60.28	56.74	70.06	57.88	44.44
31.33	52.59	52.70	54.44	59.76	53.42	64.97	55.44	42.46
31.41	51.98	52.03	53.46	59.07	52.26	64.52	56.04	42.69
31.49	51.58	51.64	53.18	58.93	54.11	72.62	56.62	42.12
31.57	51.53	51.64	53.67	59.21	56.03	74.97	57.65	43.85
31.64	51.81	51.92	54.40	59.60	56.19	69.61	58.38	44.49
31.72	51.92	51.98	53.75	59.39	53.12	64.64	55.54	42.81
31.80	51.64	51.70	53.24	58.99	52.21	63.65	56.94	42.70
31.88	51.75	51.86	53.72	59.19	55.16	72.29	59.90	43.19
31.96	52.53	52.59	54.99	59.87	58.15	75.75	62.84	47.22
32.04	53.26	53.37	55.92	60.56	58.05	70.42	61.67	48.25
32.11	53.43	53.54	55.12	60.42	54.60	65.45	58.15	46.03
32.19	52.93	52.98	53.90	59.71	52.58	63.59	57.17	45.24
32.27	52.42	52.48	53.62	59.39	54.43	71.68	58.08	44.82
32.35	52.53	52.59	53.96	59.57	56.20	75.40	58.90	46.61
32.43	52.53	52.59	54.25	59.81	55.92	69.86	57.49	46.87
32.51	52.31	52.37	53.34	59.41	52.77	64.58	54.69	44.53
32.58	51.70	51.75	52.38	58.79	51.12	62.28	55.67	44.08
32.66	51.53	51.58	52.56	58.75	53.36	70.46	57.28	44.18
32.74	51.75	51.81	53.18	59.10	55.88	74.98	59.18	46.08
32.82	52.26	52.37	54.33	59.74	56.81	69.88	60.31	48.30
32.90	52.76	52.87	54.39	59.99	54.56	65.14	59.06	47.39
32.98	52.93	52.98	53.96	59.77	52.98	62.61	59.64	47.09
33.05	53.21	53.26	54.35	59.92	55.84	70.78	61.32	48.17
33.13	53.60	53.65	54.74	60.37	57.15	75.90	61.44	49.53
33.21	53.76	53.88	55.28	60.74	57.46	70.74	60.67	50.17
33.29	53.65	53.71	54.57	60.43	54.46	65.56	57.90	47.82
33.37	53.09	53.15	53.27	59.69	51.94	61.88	57.60	46.99
33.45	52.59	52.65	52.94	59.31	53.51	69.39	57.54	47.28
33.52	52.59	52.65	53.22	59.50	55.74	75.01	59.22	48.43
33.60	52.87	52.93	54.07	60.02	56.54	70.28	59.58	49.86
33.68	52.87	52.98	53.58	59.87	53.69	65.17	56.69	47.59
33.76	52.53	52.65	52.80	59.35	51.65	61.35	57.60	46.64
33.84	52.65	52.76	53.31	59.40	54.28	68.86	60.26	47.63
33.92	53.32	53.43	54.43	60.19	57.65	75.39	64.51	50.85
33.99	54.21	54.32	55.83	61.19	58.94	71.25	64.43	53.76
34.07	54.77	54.83	55.69	61.41	56.26	66.31	61.47	51.59
34.15	54.44	54.49	54.44	60.89	53.23	62.14	59.91	49.85
34.23	53.99	54.10	54.08	60.47	54.65	68.75	59.85	50.22
34.31	53.93	53.99	54.11	60.58	56.46	75.26	61.07	51.10
34.39	54.10	54.16	54.73	60.99	57.19	70.94	60.28	52.75
34.46	53.93	53.99	54.16	60.76	54.56	65.74	57.82	50.31

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
34.54	53.54	53.60	53.09	60.13	51.94	61.26	58.23	48.94
34.62	53.09	53.15	52.93	59.75	53.27	67.50	58.40	49.55
34.70	53.26	53.32	53.44	60.03	56.13	74.52	61.64	50.60
34.78	53.76	53.88	54.88	60.87	58.15	71.26	63.65	54.37
34.86	54.44	54.49	55.12	61.26	56.16	66.33	61.57	52.82
34.93	54.55	54.60	54.55	61.07	53.57	61.90	61.42	51.19
35.01	54.55	54.60	54.55	60.88	55.01	67.60	61.68	52.32
35.09	54.77	54.88	54.85	61.26	57.03	74.97	62.81	53.19
35.17	55.11	55.16	55.51	61.74	58.26	71.93	62.32	55.50
35.25	55.05	55.11	55.05	61.63	55.68	66.58	59.29	52.83
35.33	54.55	54.60	53.81	61.01	52.60	61.53	59.06	50.66
35.40	53.99	54.10	53.39	60.47	53.49	66.28	58.88	52.06
35.48	53.99	54.04	53.59	60.64	55.77	73.91	60.78	52.73
35.56	54.27	54.32	54.38	61.10	57.19	71.55	60.88	55.45
35.64	54.44	54.49	54.44	61.20	55.47	66.42	59.65	53.26
35.72	54.38	54.44	53.87	60.90	53.00	61.73	60.20	51.28
35.80	54.38	54.44	54.04	60.78	54.32	65.92	61.78	52.16
35.87	54.88	54.94	55.06	61.34	57.81	74.17	65.86	54.23
35.95	55.67	55.72	56.30	62.17	59.73	72.74	66.64	58.51
36.03	56.17	56.28	56.42	62.46	57.80	67.63	63.49	56.24
36.11	56.06	56.11	55.32	62.13	54.34	62.77	60.99	53.40
36.19	55.44	55.55	54.62	61.60	54.38	65.75	60.76	54.21
36.27	55.22	55.27	54.65	61.61	56.71	73.71	62.69	54.65
36.34	55.44	55.50	55.39	62.01	58.42	72.61	63.53	58.11
36.42	55.67	55.72	55.38	62.17	56.64	67.28	60.95	55.98
36.50	55.33	55.39	54.25	61.72	53.21	62.40	58.60	52.67
36.58	54.72	54.77	53.52	61.05	53.17	64.56	59.14	53.28
36.66	54.77	54.83	54.20	61.28	56.72	73.01	64.26	54.03
36.74	55.44	55.55	55.81	62.17	59.47	73.07	66.89	59.10
36.81	56.28	56.34	56.63	62.60	58.52	68.15	65.15	58.08
36.89	56.45	56.50	55.99	62.46	55.30	63.51	62.51	54.84
36.97	56.28	56.39	55.51	62.14	55.22	64.97	63.08	55.65
37.05	56.34	56.39	55.71	62.28	57.60	73.39	64.33	56.21
37.13	56.62	56.67	56.33	62.68	59.25	73.84	64.51	59.46
37.20	56.78	56.84	56.56	62.91	58.10	68.56	62.76	57.71
37.28	56.50	56.56	55.53	62.64	54.78	63.56	60.56	54.63
37.36	56.00	56.06	54.75	62.01	54.11	64.04	60.93	55.78
37.44	55.72	55.78	54.64	61.86	56.18	72.35	61.53	55.77
37.52	55.83	55.89	55.15	62.22	57.95	73.69	62.17	58.85
37.60	56.00	56.06	55.72	62.63	57.66	68.41	62.51	57.71
37.67	56.11	56.22	55.40	62.46	55.05	63.74	61.60	54.97
37.75	56.11	56.17	55.15	62.19	54.85	63.71	63.50	55.20
37.83	56.34	56.39	55.88	62.47	58.00	72.43	66.61	56.21
37.91	56.90	56.95	56.84	63.08	60.21	74.72	67.51	60.25
37.99	57.40	57.51	57.49	63.74	59.65	69.54	65.75	59.56
38.07	57.40	57.45	56.55	63.46	56.14	64.54	61.97	56.05
38.14	56.78	56.84	55.47	62.73	54.72	63.57	62.15	56.22
38.22	56.50	56.56	55.65	62.64	57.36	72.06	64.40	56.81
38.30	56.73	56.78	56.16	63.04	59.08	74.83	64.54	59.91
38.38	56.90	56.95	56.50	63.39	58.44	69.37	62.87	59.30
38.46	56.62	56.67	55.42	62.87	54.95	64.21	59.70	55.44
38.54	55.95	56.00	54.35	62.08	53.42	62.57	60.18	55.03
38.61	55.78	55.83	54.87	62.03	56.75	71.18	64.47	55.48
38.69	56.17	56.28	56.03	62.69	59.51	75.10	66.90	59.30
38.77	56.95	57.01	57.13	63.44	59.75	69.95	66.25	60.05

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
38.85	57.23	57.29	56.66	63.48	56.72	65.08	63.38	56.75
38.93	56.95	57.01	55.81	62.96	55.00	62.85	63.45	56.13
39.01	56.78	56.90	55.96	62.88	57.15	71.22	63.74	56.51
39.08	57.01	57.06	56.50	63.26	59.30	75.63	65.26	59.24
39.16	57.23	57.34	57.08	63.74	59.44	70.33	64.46	59.49
39.24	57.23	57.29	56.49	63.53	56.54	65.35	62.41	56.58
39.32	56.78	56.84	55.47	62.85	54.49	62.50	62.41	56.22
39.40	56.39	56.45	55.25	62.52	56.16	70.37	61.93	56.62
39.48	56.34	56.39	55.60	62.78	58.17	75.41	63.10	58.39
39.55	56.62	56.67	56.39	63.18	58.91	70.42	63.82	59.19
39.63	56.67	56.73	56.10	63.17	56.27	65.51	62.12	56.46
39.71	56.45	56.50	55.37	62.64	54.39	62.26	62.86	55.10
39.79	56.34	56.39	55.71	62.59	57.08	70.06	65.29	55.60
39.87	56.67	56.73	56.44	63.05	59.53	75.83	67.02	58.38
39.95	57.18	57.29	57.44	63.69	60.35	71.07	66.50	59.69
40.02	57.34	57.40	56.94	63.65	57.28	66.18	63.05	56.69
40.10	56.84	56.90	55.82	62.91	54.66	62.38	62.55	55.23
40.18	56.50	56.56	55.71	62.57	56.85	69.69	64.23	56.12
40.26	56.67	56.73	56.28	62.99	59.08	75.83	65.71	58.12
40.34	57.01	57.06	56.90	63.50	59.58	71.24	64.38	59.67
40.42	56.84	56.90	56.21	63.27	56.44	66.13	60.98	56.28
40.49	56.22	56.34	54.89	62.39	53.62	61.89	60.56	54.12
40.57	55.89	55.95	55.03	62.09	56.06	68.92	63.89	55.06
40.65	56.17	56.28	55.97	62.64	59.06	75.63	66.90	57.03
40.73	56.78	56.90	57.15	63.42	60.30	71.75	66.72	59.56
40.81	56.95	57.06	56.98	63.47	57.60	66.79	63.47	56.42
40.89	56.78	56.84	55.99	62.91	54.89	62.50	63.02	54.21
40.96	56.45	56.50	55.99	62.58	56.39	68.93	63.39	55.01
41.04	56.56	56.67	56.36	62.83	58.94	75.92	65.89	56.46
41.12	56.84	56.90	57.24	63.40	60.10	72.30	65.53	58.46
41.20	56.95	57.01	56.84	63.39	57.53	67.13	62.92	55.95
41.28	56.45	56.50	55.60	62.70	54.44	62.44	61.90	53.87
41.36	55.83	55.95	55.01	62.06	55.17	67.92	60.71	54.24
41.43	55.61	55.67	55.04	62.06	57.22	75.06	62.38	54.52
41.51	55.83	55.89	56.12	62.52	59.10	72.11	64.26	57.37
41.59	56.06	56.11	56.17	62.75	57.09	67.22	62.56	55.41
41.67	55.89	55.95	55.32	62.27	54.34	62.51	62.31	53.14
41.75	55.72	55.83	55.40	62.01	55.87	67.54	63.49	53.08
41.83	55.83	55.89	55.95	62.28	58.53	75.36	65.67	54.31
41.90	56.28	56.39	57.10	62.94	60.37	73.01	66.49	57.14
41.98	56.62	56.67	57.13	63.11	58.22	68.04	63.64	54.83
42.06	56.28	56.34	55.94	62.48	54.85	63.17	62.09	52.22
42.14	55.67	55.72	55.33	61.81	55.38	67.28	62.18	52.66
42.22	55.50	55.55	55.44	61.88	57.56	75.04	63.59	53.10
42.30	55.67	55.72	56.30	62.42	59.22	73.09	64.10	56.15
42.37	55.78	55.83	56.07	62.47	57.03	67.75	61.32	53.73
42.45	55.39	55.44	54.99	61.84	53.90	62.99	60.15	50.89
42.53	54.94	54.99	54.71	61.45	54.77	66.56	61.90	51.58
42.61	55.05	55.11	55.28	61.63	57.63	74.69	64.28	51.95
42.69	55.50	55.55	56.36	62.25	59.62	73.63	65.42	55.72
42.77	55.72	55.83	56.60	62.56	57.87	68.51	62.35	53.35
42.84	55.61	55.67	55.73	62.12	54.75	63.75	60.81	50.33
42.92	55.22	55.27	55.39	61.61	55.05	66.30	61.73	50.81
43.00	55.27	55.33	55.73	61.72	57.62	74.72	64.07	51.48
43.08	55.50	55.61	56.49	62.22	59.37	74.18	63.88	53.99

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
43.16	55.50	55.61	56.44	62.22	57.58	68.82	61.51	52.08
43.24	55.16	55.22	55.39	61.68	54.30	63.84	59.40	49.44
43.31	54.60	54.72	54.69	61.03	54.17	65.54	60.10	50.14
43.39	54.49	54.55	54.89	61.01	56.50	73.97	61.89	49.91
43.47	54.72	54.77	55.74	61.48	58.67	74.36	63.16	52.67
43.55	54.94	54.99	56.08	61.82	57.52	69.22	61.37	51.67
43.63	54.83	54.88	55.46	61.59	54.66	64.40	59.68	49.63
43.71	54.60	54.66	55.06	61.18	54.60	65.33	61.39	49.05
43.78	54.66	54.72	55.52	61.24	57.47	73.95	63.37	49.11
43.86	54.94	54.99	56.42	61.76	59.52	75.01	64.61	51.84
43.94	55.22	55.27	56.88	62.03	58.60	69.84	63.05	50.98
44.02	55.05	55.11	55.97	61.63	55.17	64.97	59.64	48.27
44.10	54.27	54.32	54.90	60.91	54.10	65.10	59.92	47.83
44.18	53.93	54.04	54.81	60.85	56.19	73.36	61.01	47.42
44.25	54.04	54.16	55.50	61.21	58.31	75.04	62.26	50.28
44.33	54.32	54.38	55.98	61.52	57.65	69.67	61.02	49.65
44.41	54.04	54.10	55.02	61.18	54.22	64.87	57.76	46.90
44.49	53.49	53.54	54.17	60.57	53.26	64.32	58.88	46.15
44.57	53.21	53.32	54.44	60.56	56.22	73.00	61.69	45.99
44.65	53.65	53.71	55.42	61.04	58.58	75.51	63.07	49.15
44.72	54.10	54.16	56.27	61.48	58.17	70.25	61.59	48.81
44.80	54.04	54.10	55.53	61.24	54.85	65.40	58.28	46.01
44.88	53.65	53.71	54.91	60.73	53.83	64.40	59.48	45.62
44.96	53.54	53.65	55.17	60.65	56.38	73.07	61.76	45.71
45.04	53.82	53.88	55.82	61.02	58.41	76.29	62.28	47.73
45.12	53.99	54.10	56.35	61.28	57.97	70.86	60.55	47.58
45.19	53.76	53.82	55.53	61.09	54.97	65.93	58.10	45.55
45.27	53.32	53.37	54.69	60.52	53.43	64.07	58.53	45.28
45.35	53.04	53.15	54.60	60.08	55.42	72.39	59.33	44.40
45.43	52.98	53.09	54.90	60.15	57.14	76.29	59.72	45.58
45.51	53.09	53.15	55.44	60.43	57.11	70.93	58.49	45.94
45.59	52.87	52.98	54.78	60.35	54.33	65.88	56.78	44.42
45.66	52.59	52.65	54.30	59.93	52.99	63.61	58.07	43.40
45.74	52.48	52.59	54.56	59.78	55.60	72.03	59.83	42.87
45.82	52.76	52.87	55.35	60.12	57.94	76.69	61.78	44.39
45.90	53.15	53.26	56.49	60.69	58.74	71.72	61.90	44.96
45.98	53.43	53.49	56.17	60.57	55.89	67.03	59.35	43.27
46.06	53.04	53.15	55.12	59.97	53.69	64.18	58.72	42.38
46.13	52.70	52.81	55.01	59.76	55.76	72.07	59.62	42.30
46.21	52.87	52.98	55.64	60.05	58.22	77.15	61.89	43.97
46.29	53.26	53.37	56.42	60.56	58.62	72.18	60.61	44.55
46.37	53.15	53.21	55.72	60.24	55.27	67.19	57.22	42.46
46.45	52.42	52.53	54.44	59.60	52.85	63.74	56.87	40.96
46.53	52.03	52.09	54.37	59.37	55.13	71.39	58.22	40.71
46.60	52.03	52.14	54.97	59.65	57.44	77.13	60.53	42.69
46.68	52.59	52.65	56.19	60.23	58.55	72.46	60.62	43.66
46.76	52.70	52.81	55.87	60.06	55.71	67.68	57.51	40.80
46.84	52.37	52.42	55.05	59.52	53.57	64.01	58.11	39.63
46.92	52.31	52.37	55.39	59.41	56.03	71.66	60.08	40.19
47.00	52.70	52.81	56.10	59.81	58.51	78.04	61.90	40.80
47.07	52.98	53.09	56.83	60.28	58.92	73.49	59.99	40.99
47.15	52.93	53.04	56.33	60.03	56.17	68.33	57.47	40.05
47.23	52.59	52.65	55.50	59.62	53.85	64.33	57.98	39.77
47.31	52.42	52.48	55.45	59.33	55.69	71.33	58.52	39.69
47.39	52.37	52.48	55.65	59.55	57.44	77.97	59.03	39.40

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON	ROW 6
47.47	52.42	52.48	56.25	59.82	58.21	73.70	57.99	40.22	
47.54	52.31	52.37	55.85	59.65	55.69	68.58	55.85	39.84	
47.62	51.92	52.03	55.08	59.05	53.38	64.32	56.81	39.03	
47.70	51.75	51.86	55.15	58.76	55.16	70.79	57.79	38.51	
47.78	51.98	52.03	55.86	59.19	58.05	78.01	60.19	38.79	
47.86	52.48	52.59	57.08	59.78	59.67	74.39	60.80	39.24	
47.94	52.81	52.93	57.24	59.87	57.49	69.72	58.76	39.05	
48.01	52.65	52.76	56.27	59.40	54.56	65.21	57.97	38.53	
48.09	52.14	52.26	55.76	58.96	55.44	71.00	57.30	38.28	
48.17	52.14	52.26	56.10	59.21	58.24	78.19	60.21	39.08	
48.25	52.76	52.81	57.50	59.91	60.03	75.08	60.69	39.32	
48.33	52.93	52.98	57.26	59.89	57.34	70.15	57.17	38.43	
48.41	52.37	52.42	55.85	59.15	53.92	65.35	55.64	36.97	
48.48	51.64	51.75	55.26	58.64	54.88	70.42	56.17	36.62	
48.56	51.58	51.64	55.69	58.93	57.55	77.97	58.75	37.24	
48.64	52.03	52.14	57.14	59.53	59.85	75.28	60.10	37.81	
48.72	52.37	52.48	57.42	59.74	57.83	70.68	57.78	37.89	
48.80	52.31	52.42	56.62	59.24	54.81	66.13	56.94	37.74	
48.88	52.26	52.31	56.59	59.04	56.15	70.82	58.36	38.28	
48.95	52.53	52.65	57.30	59.47	59.10	78.83	60.67	39.21	
49.03	53.09	53.21	58.42	60.15	60.84	76.75	60.35	39.33	
49.11	53.26	53.37	58.42	60.19	58.74	71.74	57.71	38.89	
49.19	53.26	53.32	57.83	59.92	56.13	67.22	57.94	38.94	
49.27	53.15	53.26	57.58	59.76	56.73	71.01	58.22	38.94	
49.35	53.09	53.21	57.63	59.90	58.85	78.94	58.24	38.53	
49.42	53.15	53.21	58.28	60.24	60.42	77.31	58.45	38.03	
49.50	53.04	53.15	58.31	60.15	58.63	72.22	56.60	37.42	
49.58	52.76	52.87	57.35	59.56	55.37	67.47	55.35	36.87	
49.66	52.42	52.53	57.19	59.24	56.24	70.47	57.58	37.49	
49.74	52.81	52.93	58.03	59.74	59.55	78.93	60.26	38.78	
49.82	53.43	53.54	59.39	60.47	62.14	78.14	61.92	39.49	
49.89	53.99	54.10	59.99	61.03	60.76	73.42	59.58	39.80	
49.97	53.93	53.99	59.13	60.76	57.31	68.85	57.56	39.09	
50.05	53.54	53.65	58.53	60.28	57.24	70.96	58.17	38.90	
50.13	53.54	53.65	58.88	60.53	60.38	79.11	61.06	39.69	
50.21	54.21	54.27	60.31	61.53	63.17	79.13	62.84	40.44	
50.29	54.66	54.77	60.72	62.31	61.42	74.25	59.46	40.22	
50.36	54.38	54.49	59.49	61.60	57.56	69.40	56.08	38.69	
50.44	53.76	53.82	58.67	60.91	57.20	70.79	57.21	37.77	
50.52	53.49	53.60	58.76	60.97	59.76	79.06	58.10	38.05	
50.60	53.76	53.88	60.01	61.49	62.76	79.50	60.94	39.13	
50.68	54.38	54.49	61.01	62.03	62.06	74.85	60.06	39.75	
50.76	54.60	54.66	60.36	61.80	58.62	70.39	57.34	39.69	
50.83	54.32	54.44	59.83	61.42	58.19	71.19	58.77	39.60	
50.91	54.44	54.55	60.22	61.60	61.10	79.46	60.72	39.99	
50.99	54.83	54.94	61.12	62.22	63.24	80.54	60.58	40.21	
51.07	55.16	55.22	61.64	62.47	62.52	75.58	59.32	40.16	
51.15	55.16	55.27	61.28	62.44	59.60	71.14	58.28	40.37	
51.22	55.05	55.16	60.72	61.90	58.92	71.29	59.06	40.26	
51.30	55.11	55.22	60.71	61.90	61.14	79.41	58.85	39.96	
51.38	55.16	55.27	61.39	62.31	63.35	81.30	59.17	39.83	
51.46	55.27	55.39	61.94	62.49	62.78	76.33	57.87	39.78	
51.54	55.16	55.27	61.33	62.14	59.54	71.75	56.33	39.57	
51.62	55.11	55.16	61.02	61.87	59.18	71.40	58.82	40.19	
51.69	55.39	55.50	61.67	62.35	62.38	79.86	61.40	41.04	

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
51.77	55.89	56.00	62.72	63.22	65.08	82.36	62.60	41.90
51.85	56.45	56.56	63.74	64.07	65.01	77.57	61.67	42.12
51.93	56.62	56.67	63.19	63.61	61.69	73.14	59.35	41.73
52.01	56.22	56.28	62.19	63.10	60.11	71.79	59.40	41.15
52.09	56.00	56.11	62.22	63.03	62.87	79.57	61.49	41.40
52.16	56.56	56.67	63.51	63.69	65.92	83.00	63.26	42.58
52.24	57.18	57.29	64.57	64.07	65.90	78.36	61.94	42.76
52.32	57.06	57.18	63.67	63.58	61.99	73.68	58.24	41.85
52.40	56.50	56.62	62.49	62.85	60.19	71.82	57.85	40.76
52.48	56.28	56.39	62.60	62.81	62.92	79.58	59.83	41.15
52.56	56.67	56.78	63.78	63.51	66.14	83.64	62.24	42.42
52.63	57.34	57.45	65.07	64.22	66.53	79.04	61.76	42.84
52.71	57.57	57.68	64.61	64.21	63.17	74.71	59.62	42.89
52.79	57.34	57.45	63.72	63.56	61.35	72.38	59.83	42.49
52.87	57.45	57.57	64.17	63.72	64.59	80.03	62.92	43.22
52.95	58.01	58.13	65.17	64.40	67.25	84.50	63.39	43.96
53.03	58.46	58.57	66.18	64.97	67.51	79.96	62.35	43.97
53.10	58.52	58.63	65.67	64.78	64.22	75.54	60.13	43.76
53.18	57.73	57.85	64.04	63.69	61.30	71.10	59.88	43.06
53.26	57.51	57.62	64.04	63.53	63.74	78.78	60.53	43.01
53.34	57.79	57.85	64.75	63.97	66.43	84.08	60.87	43.00
53.42	58.07	58.13	65.82	64.49	67.22	79.90	60.36	43.19
53.50	58.13	58.18	65.54	64.36	64.04	75.67	58.57	43.07
53.57	57.96	58.07	64.83	63.92	62.26	72.54	60.01	43.19
53.65	58.01	58.13	65.06	64.03	64.86	79.53	61.99	43.60
53.73	58.46	58.57	65.96	64.72	67.80	85.03	63.05	44.41
53.81	58.96	59.08	67.18	65.35	68.97	80.89	63.28	44.92
53.89	59.30	59.41	67.24	65.43	66.18	76.75	62.22	45.26
53.97	59.30	59.35	66.36	65.15	63.78	73.29	62.01	44.79
54.04	59.08	59.19	66.11	65.03	65.63	79.50	62.42	44.76
54.12	59.35	59.46	67.00	65.54	69.13	85.36	65.07	45.58
54.20	59.96	60.07	68.35	66.22	70.17	81.68	64.18	46.11
54.28	60.01	60.12	67.79	66.03	66.63	77.28	60.83	45.37
54.36	59.57	59.63	66.52	65.25	63.72	73.39	60.36	44.36
54.44	59.19	59.30	66.28	64.94	65.51	79.26	60.97	44.35
54.51	59.41	59.52	67.18	65.47	68.96	85.43	63.64	45.28
54.59	60.07	60.18	68.68	66.26	70.56	82.14	63.94	46.05
54.67	60.40	60.51	68.67	66.40	67.81	78.00	62.44	46.21
54.75	60.18	60.29	67.50	65.75	64.68	73.93	61.69	45.46
54.83	59.96	60.07	67.32	65.47	66.51	79.24	62.88	45.67
54.91	60.29	60.40	68.11	66.11	69.60	85.59	64.17	46.36
54.98	60.79	60.90	69.32	66.86	71.21	82.67	64.06	46.60
55.06	60.95	61.06	69.26	66.89	68.40	78.46	62.30	46.69
55.14	60.84	60.95	68.43	66.43	65.57	74.40	62.62	46.48
55.22	60.62	60.73	67.93	66.07	66.54	78.93	61.53	46.17
55.30	60.62	60.73	68.27	66.39	69.47	85.39	62.58	46.26
55.38	60.95	61.06	69.54	66.89	71.37	83.00	62.90	46.60
55.45	61.12	61.23	69.71	66.94	68.85	78.89	61.58	46.76
55.53	61.01	61.06	68.79	66.44	65.83	74.81	62.23	46.44
55.61	60.79	60.90	68.49	66.25	67.29	78.64	63.26	46.60
55.69	61.12	61.23	69.15	66.75	70.47	85.44	63.85	47.03
55.77	61.50	61.61	70.19	67.32	72.19	83.38	63.99	47.33
55.85	61.78	61.89	70.53	67.54	70.18	79.36	63.12	47.62
55.92	61.67	61.78	69.58	67.07	66.81	75.31	63.01	47.15
56.00	61.39	61.50	69.14	66.67	67.78	78.28	63.60	47.14

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
56.08	61.73	61.84	69.92	67.31	71.46	85.25	65.61	48.08
56.16	62.33	62.44	71.29	68.15	73.57	84.00	66.21	48.97
56.24	62.66	62.77	71.57	68.42	71.32	80.05	64.00	48.78
56.32	62.44	62.55	70.51	67.89	67.64	75.99	63.26	47.94
56.39	62.11	62.22	69.97	67.50	68.10	78.38	62.75	47.60
56.47	62.17	62.28	70.51	67.75	71.79	85.15	65.17	48.54
56.55	62.77	62.88	71.95	68.59	74.11	84.53	66.47	49.16
56.63	63.27	63.38	72.56	69.07	72.48	80.74	65.22	49.49
56.71	63.27	63.38	71.54	68.78	68.74	76.79	64.00	48.96
56.79	62.83	62.94	70.72	68.22	68.81	78.11	63.74	48.42
56.86	62.88	62.99	71.06	68.46	71.76	84.99	64.67	48.83
56.94	63.27	63.38	72.22	69.01	74.11	84.75	65.22	49.31
57.02	63.66	63.77	72.93	69.46	72.97	81.03	64.74	49.71
57.10	63.66	63.77	72.04	69.15	69.33	77.09	63.94	49.62
57.18	63.49	63.60	71.54	68.69	69.46	77.81	64.22	49.45
57.26	63.60	63.71	71.93	68.86	72.42	84.72	65.21	49.83
57.33	64.04	64.15	73.21	69.47	74.97	85.51	65.64	50.37
57.41	64.43	64.54	74.08	69.79	74.18	81.79	65.68	50.84
57.49	64.54	64.65	73.42	69.54	70.60	77.96	65.26	50.87
57.57	64.43	64.54	72.86	69.14	70.61	78.03	66.11	50.58
57.65	64.54	64.71	73.16	69.39	73.48	84.80	66.96	50.98
57.73	64.93	65.09	74.04	70.01	75.82	85.97	66.90	51.37
57.80	65.20	65.31	74.63	70.32	75.00	82.11	65.75	51.28
57.88	65.04	65.15	73.68	69.79	71.09	78.18	64.28	50.85
57.96	64.65	64.76	72.79	69.22	70.38	77.46	65.11	50.46
58.04	64.65	64.76	73.07	69.41	73.44	84.00	66.69	51.06
58.12	65.15	65.26	74.40	70.21	76.46	86.15	68.07	52.09
58.20	65.70	65.81	75.50	70.81	76.28	82.50	67.65	52.47
58.27	65.81	65.92	74.83	70.56	72.29	78.86	65.22	52.06
58.35	65.53	65.64	74.06	70.04	71.42	77.71	65.92	51.69
58.43	65.59	65.70	74.44	70.28	74.54	84.23	67.97	52.28
58.51	66.14	66.25	75.65	71.13	77.49	86.94	69.39	53.10
58.59	66.69	66.80	76.71	71.67	77.58	83.31	68.99	53.56
58.67	66.86	66.97	76.04	71.47	73.72	79.61	66.89	53.39
58.74	66.53	66.64	74.93	70.89	72.22	77.72	67.35	52.69
58.82	66.36	66.53	74.90	70.88	74.66	83.79	67.64	52.74
58.90	66.64	66.75	75.75	71.49	77.36	86.99	68.50	53.33
58.98	67.02	67.14	76.81	72.00	77.86	83.46	68.10	53.64
59.06	67.08	67.19	76.25	71.75	74.11	79.83	66.58	53.51
59.14	66.80	66.97	75.39	71.25	72.64	77.49	67.65	53.26
59.21	66.80	66.91	75.54	71.29	75.07	83.24	68.22	53.50
59.29	67.19	67.30	76.69	71.97	78.29	87.36	69.72	54.33
59.37	67.74	67.85	78.00	72.64	79.06	84.25	69.15	54.63
59.45	67.91	68.02	77.61	72.56	75.49	80.74	67.93	54.62
59.53	67.63	67.74	76.51	71.93	73.47	77.93	68.43	54.08
59.61	67.52	67.63	76.29	71.88	75.72	83.15	68.93	54.22
59.68	67.74	67.91	77.04	72.42	78.53	87.48	70.13	54.74
59.76	68.19	68.30	78.18	73.01	79.61	84.33	69.93	55.08
59.84	68.30	68.41	77.79	72.89	76.10	80.94	68.07	54.84
59.92	67.91	68.02	76.50	72.19	73.53	77.76	67.93	54.01
60.00	67.58	67.69	76.24	71.93	75.39	82.42	68.39	54.01
60.08	67.74	67.85	77.01	72.46	78.61	87.19	70.44	54.89
60.15	68.24	68.35	78.44	73.14	80.11	84.57	70.68	55.40
60.23	68.47	68.58	78.29	73.06	76.76	81.21	68.32	55.19
60.31	68.24	68.35	77.35	72.47	74.14	77.92	68.18	54.61

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
60.39	68.02	68.19	77.15	72.33	75.96	82.36	68.93	54.50
60.47	68.35	68.47	77.96	72.89	79.11	87.63	70.63	55.33
60.55	68.86	68.97	79.11	73.63	80.78	85.18	70.86	55.85
60.62	69.03	69.19	78.93	73.65	77.64	81.79	69.08	55.79
60.70	68.80	68.91	77.68	72.97	74.64	78.31	69.08	55.10
60.78	68.47	68.58	77.24	72.64	75.88	81.82	69.10	54.92
60.86	68.58	68.75	77.75	73.01	78.75	87.26	69.84	55.33
60.94	68.91	69.08	78.86	73.65	80.47	85.25	69.83	55.42
61.02	69.03	69.14	78.79	73.61	77.72	81.93	68.01	55.41
61.09	68.75	68.80	77.71	72.94	74.61	78.31	68.66	55.01
61.17	68.41	68.52	77.29	72.57	75.71	81.06	68.53	54.87
61.25	68.52	68.63	78.00	73.06	78.89	86.93	69.85	55.24
61.33	68.91	69.08	79.36	73.72	80.86	85.79	70.09	55.67
61.41	69.25	69.36	79.61	73.84	78.61	82.50	69.01	55.90
61.49	69.08	69.19	78.39	73.31	75.25	78.93	69.46	55.56
61.56	68.80	68.91	77.79	72.90	75.88	80.93	69.26	55.35
61.64	68.91	69.03	78.23	73.32	79.00	86.79	70.93	55.91
61.72	69.36	69.53	79.36	74.04	81.14	86.05	71.14	56.22
61.80	69.70	69.81	79.79	74.29	79.32	82.86	69.99	56.45
61.88	69.47	69.58	78.57	73.64	75.54	79.32	69.42	55.78
61.96	68.97	69.08	77.68	73.01	75.60	80.47	68.47	55.01
62.03	68.80	68.91	77.96	73.21	78.67	86.33	70.21	55.44
62.11	69.14	69.30	79.20	73.88	80.97	86.18	70.92	56.17
62.19	69.53	69.64	79.89	74.18	79.56	83.04	69.72	56.37
62.27	69.36	69.42	78.82	73.62	75.57	79.53	68.93	55.64
62.35	68.97	69.08	78.12	73.07	75.65	80.22	68.39	55.18
62.43	68.97	69.14	78.48	73.40	78.69	86.27	70.58	55.91
62.50	69.42	69.53	79.39	74.07	80.94	86.68	70.82	56.42
62.58	69.75	69.86	79.96	74.40	79.94	83.36	69.96	56.51
62.66	69.64	69.75	78.96	73.93	75.99	79.93	69.67	56.13
62.74	69.25	69.36	78.01	73.36	75.71	79.79	69.44	55.56
62.82	69.14	69.25	78.18	73.49	78.28	85.89	69.94	55.62
62.90	69.36	69.47	78.96	74.01	80.44	86.97	69.64	55.76
62.97	69.47	69.58	79.46	74.18	79.67	83.61	68.64	55.69
63.05	69.25	69.36	78.50	73.60	75.65	80.06	68.15	55.47
63.13	68.86	69.03	77.76	73.00	75.18	79.08	68.74	55.10
63.21	68.80	68.91	78.00	73.15	78.00	85.11	69.61	55.35
63.29	69.08	69.25	79.15	73.82	80.64	87.50	70.43	55.94
63.37	69.53	69.64	80.11	74.30	80.50	84.18	70.25	56.54
63.44	69.53	69.64	79.11	73.93	76.38	80.60	68.78	56.19
63.52	69.14	69.25	77.89	73.25	75.10	79.07	68.82	55.35
63.60	68.86	68.97	77.68	73.14	77.39	84.82	69.40	55.24
63.68	69.03	69.14	78.46	73.68	80.00	87.60	70.08	55.50
63.76	69.25	69.42	79.25	74.04	80.08	84.19	69.65	55.67
63.84	69.14	69.30	78.43	73.64	76.01	80.76	67.38	55.12
63.91	68.63	68.75	77.24	72.80	74.36	78.57	67.62	54.40
63.99	68.30	68.41	77.07	72.58	76.72	84.18	69.01	54.58
64.07	68.52	68.63	77.96	73.24	79.50	87.71	70.11	55.15
64.15	68.80	68.97	78.97	73.67	79.86	84.36	69.21	55.30
64.23	68.80	68.86	78.48	73.31	76.01	80.99	67.33	54.81
64.31	68.41	68.52	77.39	72.64	74.19	78.53	67.57	54.43
64.38	68.30	68.41	77.35	72.64	76.65	84.10	69.54	54.84
64.46	68.58	68.75	78.04	73.25	79.42	88.13	70.44	55.42
64.54	68.91	69.08	78.93	73.83	80.03	84.82	69.58	55.50
64.62	68.91	69.03	78.29	73.57	76.38	81.29	68.07	55.03

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
64.70	68.47	68.58	77.01	72.69	74.03	78.32	68.32	54.40
64.78	68.13	68.24	76.68	72.42	75.93	83.49	68.33	54.15
64.85	68.19	68.35	77.21	72.86	78.58	88.09	69.19	54.41
64.93	68.47	68.58	78.22	73.36	79.72	85.04	69.10	54.67
65.01	68.41	68.52	77.79	73.07	76.04	81.50	67.31	54.43
65.09	67.91	68.02	76.39	72.19	73.31	77.93	67.50	53.65
65.17	67.47	67.58	76.07	71.82	74.88	82.49	67.50	53.30
65.25	67.52	67.63	76.79	72.24	77.89	87.93	68.68	53.97
65.32	67.85	68.02	77.92	72.83	79.30	85.34	69.03	54.24
65.40	67.96	68.07	77.57	72.68	76.04	81.67	67.64	54.15
65.48	67.58	67.69	76.13	71.86	72.93	77.97	67.35	53.32
65.56	67.19	67.30	75.57	71.54	74.22	82.31	67.57	52.93
65.64	67.25	67.36	76.14	71.97	77.46	87.83	69.43	53.51
65.71	67.69	67.80	77.40	72.64	79.22	85.58	69.96	54.22
65.79	67.91	68.02	77.29	72.68	76.22	82.14	67.75	54.10
65.87	67.58	67.69	75.90	71.93	72.81	78.22	67.25	53.32
65.95	67.14	67.25	75.31	71.43	73.93	81.99	67.60	52.97
66.03	67.14	67.25	75.81	71.79	76.85	87.82	69.15	53.40
66.11	67.30	67.47	76.88	72.29	78.60	85.85	69.26	53.42
66.18	67.36	67.47	76.86	72.19	75.78	82.21	67.39	53.35
66.26	67.02	67.14	75.64	71.44	72.26	78.29	66.97	52.76
66.34	66.58	66.69	74.93	71.01	73.06	81.44	66.79	52.40
66.42	66.58	66.69	75.14	71.32	75.80	87.63	67.65	52.49
66.50	66.75	66.86	75.97	71.78	77.69	85.97	67.92	52.49
66.58	66.80	66.97	76.06	71.80	75.37	82.21	66.86	52.48
66.65	66.64	66.69	75.01	71.16	72.08	78.33	67.60	52.35
66.73	66.42	66.53	74.60	70.85	72.89	81.02	68.01	52.49
66.81	66.58	66.69	74.98	71.32	75.86	87.63	68.79	52.92
66.89	66.86	66.97	75.86	71.89	77.75	86.61	68.46	52.85
66.97	66.91	67.02	76.03	71.82	75.57	82.82	67.03	52.65
67.05	66.53	66.64	74.71	71.01	71.67	78.68	66.82	51.99
67.12	65.98	66.03	73.91	70.33	71.88	80.13	66.58	51.41
67.20	65.87	65.98	74.28	70.61	75.21	87.02	68.25	52.03
67.28	66.09	66.20	75.22	71.18	76.99	86.81	68.47	52.26
67.36	66.25	66.36	75.43	71.29	75.14	82.79	67.07	52.24
67.44	65.87	65.98	74.00	70.49	71.01	78.56	65.72	51.24
67.52	65.20	65.31	72.96	69.65	70.81	79.57	65.75	50.40
67.59	65.20	65.31	73.39	70.01	74.22	86.64	68.21	51.19
67.67	65.64	65.76	74.56	70.82	76.61	86.98	69.07	51.90
67.75	65.98	66.09	75.00	71.07	75.14	83.13	67.49	52.06
67.83	65.81	65.92	73.89	70.50	71.18	79.03	65.93	51.36
67.91	65.20	65.31	72.79	69.65	70.47	79.39	65.57	50.49
67.99	64.93	65.04	72.79	69.75	73.22	86.29	66.97	50.56
68.06	65.09	65.20	73.79	70.32	75.72	87.14	68.10	50.99
68.14	65.26	65.37	74.29	70.43	74.39	83.11	66.60	51.06
68.22	64.98	65.09	73.24	69.86	70.36	78.92	64.93	50.53
68.30	64.49	64.60	72.18	69.13	69.65	78.68	65.29	49.94
68.38	64.21	64.38	71.94	69.12	71.92	85.61	65.58	49.76
68.46	64.32	64.43	72.64	69.57	74.52	87.17	66.44	49.76
68.53	64.49	64.60	73.25	69.79	73.85	82.89	66.43	50.03
68.61	64.32	64.43	72.25	69.26	69.82	78.61	64.35	49.85
68.69	63.82	63.93	71.14	68.54	68.72	77.86	64.89	48.99
68.77	63.60	63.71	71.15	68.61	71.36	84.99	65.90	49.12
68.85	63.82	63.93	71.99	69.14	73.92	87.38	66.13	49.44
68.93	63.93	64.04	72.48	69.31	73.07	82.96	64.75	49.19

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
69.00	63.71	63.82	71.60	68.79	69.29	78.72	63.39	48.80
69.08	63.22	63.27	70.58	68.09	67.98	77.15	64.09	48.17
69.16	62.88	62.99	70.39	68.04	70.36	84.20	64.75	48.30
69.24	63.05	63.16	71.17	68.56	72.93	87.49	65.88	48.83
69.32	63.33	63.44	71.82	68.89	72.59	82.97	65.11	48.92
69.40	63.11	63.16	70.81	68.35	68.65	78.44	62.67	48.15
69.47	62.50	62.61	69.61	67.53	66.83	76.47	63.14	47.28
69.55	62.28	62.39	69.51	67.49	69.43	83.61	65.01	47.85
69.63	62.50	62.61	70.18	68.07	71.94	87.22	65.42	48.08
69.71	62.72	62.83	70.89	68.36	71.93	82.82	64.40	47.87
69.79	62.50	62.61	70.07	67.83	68.25	78.49	62.35	47.38
69.87	61.95	62.06	68.90	66.97	66.22	76.02	62.58	46.64
69.94	61.61	61.73	68.75	66.89	68.50	82.96	63.83	46.74
70.02	61.84	61.95	69.57	67.47	71.63	87.35	66.07	47.49
70.10	62.22	62.33	70.63	67.93	71.83	83.03	65.14	47.53
70.18	62.17	62.28	69.96	67.63	68.14	78.61	62.63	47.22
70.26	61.73	61.84	68.69	66.82	65.83	75.72	62.72	46.76
70.34	61.34	61.45	68.25	66.61	67.56	82.33	63.12	46.37
70.41	61.45	61.56	68.75	67.15	70.57	87.24	65.15	46.74
70.49	61.73	61.84	69.75	67.61	71.18	82.80	65.07	47.03
70.57	61.67	61.78	69.03	67.25	67.60	78.29	62.65	46.71
70.65	61.06	61.17	67.64	66.33	64.89	74.89	62.06	45.65
70.73	60.57	60.68	67.08	66.08	66.43	81.49	62.08	45.06
70.81	60.68	60.79	67.76	66.50	69.42	86.92	63.76	45.69
70.88	60.90	61.01	68.76	66.85	70.43	82.68	63.99	45.92
70.96	60.95	61.06	68.43	66.65	67.28	78.29	62.30	45.89
71.04	60.62	60.73	67.32	65.96	64.57	74.54	62.22	45.28
71.12	60.34	60.46	66.99	65.74	66.32	80.93	62.74	45.26
71.20	60.57	60.68	67.65	66.26	69.32	86.89	65.06	46.11
71.28	60.90	61.01	68.60	66.79	70.25	82.95	64.78	46.28
71.35	60.79	60.90	67.93	66.49	66.82	78.21	62.13	45.63
71.43	60.29	60.40	66.58	65.63	63.90	74.13	61.97	44.77
71.51	59.90	59.96	66.18	65.46	65.29	80.11	62.88	44.79
71.59	59.85	59.96	66.38	65.79	67.71	86.21	63.38	44.76
71.67	59.96	60.07	67.17	66.28	68.89	82.38	62.88	44.60
71.75	59.85	59.90	66.74	65.89	65.97	77.79	61.07	44.38
71.82	59.30	59.41	65.43	65.06	62.72	73.50	60.38	43.49
71.90	58.96	59.08	65.26	64.92	64.43	79.31	62.15	43.77
71.98	59.24	59.35	65.93	65.43	67.61	86.04	64.61	44.58
72.06	59.63	59.74	67.06	66.00	69.06	82.67	64.47	44.80
72.14	59.74	59.85	66.82	65.93	66.11	77.97	62.03	44.56
72.22	59.41	59.46	65.51	65.21	62.87	73.49	61.68	44.02
72.29	58.96	59.02	64.84	64.89	63.68	78.58	61.59	43.74
72.37	58.80	58.91	64.93	65.36	66.25	85.36	63.21	43.69
72.45	58.96	59.08	65.82	66.01	67.79	82.19	63.28	43.77
72.53	58.80	58.91	65.26	65.72	64.72	77.14	60.22	43.08
72.61	58.18	58.24	63.84	64.85	61.31	72.29	60.03	42.16
72.69	57.51	57.62	63.08	64.33	61.92	77.03	60.01	41.78
72.76	57.51	57.62	63.55	64.71	64.99	84.28	62.28	42.48
72.84	57.85	57.96	64.72	65.34	67.14	81.81	63.22	42.99
72.92	58.13	58.24	64.94	65.31	64.92	77.10	61.74	43.10
73.00	58.01	58.13	63.99	64.83	61.56	72.50	60.67	42.46
73.08	57.57	57.68	63.26	64.39	61.97	76.47	60.58	42.10
73.16	57.62	57.68	63.57	64.66	65.07	84.01	63.41	42.74
73.23	58.01	58.07	64.64	65.17	66.88	81.94	64.24	43.49

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
73.31	58.07	58.18	64.38	65.14	64.24	76.86	60.90	42.87
73.39	57.62	57.73	63.08	64.88	60.85	72.04	60.64	42.15
73.47	57.06	57.18	62.31	64.82	60.92	75.54	59.91	41.76
73.55	56.84	56.95	62.26	65.21	63.24	82.93	61.62	41.80
73.63	56.95	57.06	63.05	64.70	65.11	81.29	61.81	41.83
73.70	56.95	57.06	63.05	64.57	63.13	76.31	59.53	41.47
73.78	56.62	56.67	62.01	64.22	59.88	71.56	59.35	41.11
73.86	56.22	56.28	61.45	63.40	60.17	74.43	60.02	40.98
73.94	56.22	56.34	61.76	63.49	63.03	82.42	62.31	41.35
74.02	56.56	56.67	62.83	63.94	65.24	81.35	63.44	41.52
74.10	56.73	56.78	62.91	63.96	63.28	76.15	61.04	41.57
74.17	56.50	56.62	61.87	63.40	59.90	71.39	59.97	41.28
74.25	56.17	56.28	61.19	62.89	59.80	73.61	60.24	41.56
74.33	56.06	56.17	61.15	62.90	62.13	81.64	61.37	41.54
74.41	56.22	56.34	61.92	63.37	64.17	81.02	62.15	41.62
74.49	56.34	56.39	62.01	63.64	62.55	75.85	60.22	41.62
74.57	56.00	56.06	60.84	63.06	58.87	70.86	58.21	40.75
74.64	55.33	55.44	59.85	61.92	58.22	72.35	58.19	40.28
74.72	55.11	55.22	59.92	61.58	61.19	80.54	60.94	40.58
74.80	55.50	55.61	61.15	62.22	63.74	80.83	62.56	41.33
74.88	55.89	56.00	61.71	62.60	62.47	75.79	60.85	41.28
74.96	55.83	55.89	60.84	62.16	59.04	70.97	58.66	40.58
75.04	55.27	55.39	59.81	61.44	58.17	71.68	58.83	39.95
75.11	55.11	55.16	59.84	61.50	60.76	79.82	61.27	40.37
75.19	55.39	55.50	60.71	62.05	63.06	80.64	62.53	41.40
75.27	55.61	55.67	60.90	62.24	61.66	75.32	59.85	41.06
75.35	55.27	55.33	59.66	61.72	57.97	70.33	57.04	40.01
75.43	54.60	54.72	58.69	61.08	57.10	70.58	57.99	39.89
75.51	54.44	54.49	58.72	61.20	59.36	78.82	59.47	40.14
75.58	54.60	54.66	59.34	61.61	61.40	80.21	60.07	40.40
75.66	54.66	54.77	59.65	61.58	60.58	74.76	58.49	39.94
75.74	54.55	54.60	59.00	61.13	57.70	69.97	57.64	39.81
75.82	54.21	54.27	58.32	60.55	56.85	69.83	58.63	39.64
75.90	54.21	54.27	58.55	60.73	59.53	78.25	60.91	40.18
75.98	54.55	54.66	59.37	61.33	61.76	80.36	62.15	41.25
76.05	54.77	54.88	59.81	61.62	61.03	74.88	60.80	41.22
76.13	54.66	54.72	58.88	61.24	57.58	69.83	57.93	40.01
76.21	54.21	54.27	57.92	60.55	56.33	68.94	58.54	40.09
76.29	53.99	54.04	57.76	60.45	58.35	77.16	59.12	40.03
76.37	54.04	54.10	58.21	60.81	60.45	79.93	60.13	40.09
76.45	54.16	54.21	58.67	61.05	59.94	74.34	59.02	39.85
76.52	53.88	53.93	57.70	60.59	56.51	69.15	56.44	39.21
76.60	53.32	53.37	56.63	59.91	54.98	67.72	56.77	38.82
76.68	52.98	53.09	56.60	59.72	57.83	75.94	59.90	39.49
76.76	53.37	53.49	57.51	60.30	59.92	79.65	60.38	40.06
76.84	53.76	53.82	58.39	60.84	60.12	74.31	60.21	40.96
76.92	53.93	53.99	57.99	60.76	57.26	69.47	58.35	41.31
76.99	53.65	53.76	57.05	60.21	55.40	67.36	58.19	41.06
77.07	53.54	53.65	57.10	60.15	57.87	75.53	59.83	41.21
77.15	53.88	53.99	57.78	60.74	60.26	79.71	62.35	42.42
77.23	54.21	54.32	58.30	61.13	59.90	74.25	60.15	41.97
77.31	53.99	54.04	57.30	60.64	56.40	69.08	56.73	40.30
77.39	53.32	53.37	56.23	59.78	54.35	66.47	56.94	39.71
77.46	52.87	52.98	55.92	59.49	56.40	74.43	57.76	39.90
77.54	52.93	53.04	56.26	59.92	58.40	78.96	59.31	40.67

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
77.62	53.21	53.26	57.03	60.41	58.88	73.68	59.13	41.46
77.70	53.21	53.32	56.55	60.26	56.04	68.69	57.13	40.96
77.78	52.93	52.98	55.72	59.71	54.13	65.82	57.35	40.47
77.86	52.87	52.93	56.07	59.71	56.88	73.88	60.37	41.30
77.93	53.43	53.54	57.11	60.47	59.76	79.36	63.31	44.01
78.01	53.99	54.10	58.01	61.10	60.14	74.21	62.03	45.63
78.09	54.21	54.27	57.58	61.04	57.31	69.21	59.86	44.15
78.17	53.99	54.10	56.65	60.47	55.05	65.82	59.49	43.24
78.25	53.71	53.76	56.34	60.11	56.69	73.47	59.71	43.03
78.33	53.71	53.82	56.53	60.39	58.55	79.01	60.71	43.23
78.40	53.76	53.88	57.05	60.63	59.01	73.89	59.71	43.99
78.48	53.60	53.71	56.37	60.33	56.03	68.72	57.51	42.76
78.56	53.09	53.15	55.15	59.63	53.50	64.82	57.25	41.96
78.64	52.70	52.81	55.07	59.39	55.65	72.15	59.01	42.56
78.72	52.93	52.98	55.67	59.83	58.20	78.32	61.22	43.56
78.80	53.43	53.49	56.86	60.51	59.44	73.90	61.71	45.83
78.87	53.82	53.93	57.05	60.74	57.28	69.04	60.56	45.55
78.95	53.93	53.99	56.33	60.52	54.85	65.12	60.11	44.66
79.03	53.82	53.93	56.24	60.38	56.72	72.11	60.90	44.67
79.11	54.16	54.27	56.81	60.89	59.17	78.75	63.78	46.60
79.19	54.66	54.72	57.63	61.48	59.92	74.39	62.32	47.96
79.27	54.60	54.66	57.00	61.24	57.01	69.24	59.28	45.78
79.34	54.04	54.10	55.70	60.38	54.04	64.79	58.47	44.25
79.42	53.49	53.60	55.34	59.92	55.40	71.17	58.90	44.68
79.50	53.49	53.54	55.54	60.19	57.44	77.81	60.54	45.44
79.58	53.71	53.76	56.28	60.67	58.58	73.82	60.41	47.44
79.66	53.71	53.76	55.88	60.54	56.00	68.63	57.86	45.76
79.74	53.43	53.49	55.03	59.96	53.60	64.18	58.65	44.42
79.81	53.26	53.32	55.15	59.79	55.44	70.31	60.15	44.78
79.89	53.71	53.76	55.99	60.48	58.58	77.76	64.18	46.73
79.97	54.44	54.55	57.38	61.47	60.35	74.47	64.49	49.97
80.05	54.88	54.94	57.28	61.64	57.86	69.43	61.58	48.63
80.13	54.77	54.83	56.26	61.17	54.89	64.70	60.94	47.10
80.20	54.32	54.44	55.72	60.63	55.67	70.14	60.17	47.21
80.28	54.21	54.32	55.78	60.69	57.51	77.50	61.21	47.01
80.36	54.32	54.38	56.49	61.09	59.02	74.33	61.64	49.12
80.44	54.32	54.38	56.10	61.03	56.62	69.06	59.19	47.62
80.52	53.88	53.93	54.85	60.28	53.36	63.99	58.21	45.93
80.60	53.32	53.43	54.43	59.81	54.44	68.81	59.17	46.63
80.67	53.37	53.49	54.83	60.12	57.19	76.50	61.60	46.95
80.75	53.88	53.99	56.13	60.85	59.28	74.36	63.06	50.19
80.83	54.38	54.49	56.52	61.30	57.56	69.32	61.46	49.47
80.91	54.49	54.60	55.83	61.03	54.74	64.54	60.78	47.99
80.99	54.49	54.60	55.83	60.92	55.78	68.81	61.65	48.44
81.07	54.88	54.94	56.37	61.40	58.49	76.89	64.55	49.68
81.14	55.33	55.44	57.24	62.12	60.05	75.07	64.32	52.44
81.22	55.39	55.44	56.87	62.02	57.62	69.65	60.67	50.10
81.30	54.88	54.94	55.51	61.21	54.08	64.63	58.60	47.57
81.38	54.16	54.27	54.81	60.46	54.35	67.78	59.05	48.19
81.46	54.10	54.16	54.84	60.50	56.39	75.69	60.45	48.19
81.54	54.10	54.21	55.56	60.96	58.19	74.39	61.44	51.12
81.61	54.21	54.27	55.47	61.04	56.39	69.13	58.81	49.44
81.69	54.04	54.10	54.62	60.57	53.53	64.16	58.02	47.25
81.77	53.76	53.82	54.57	60.23	54.34	66.92	60.21	47.94
81.85	54.16	54.27	55.44	60.83	57.85	75.50	64.39	49.24

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
81.93	54.99	55.05	56.88	61.88	60.37	75.25	66.41	53.91
82.01	55.67	55.72	57.44	62.54	58.99	70.19	63.93	52.74
82.08	55.83	55.95	56.72	62.31	55.86	65.43	61.94	50.58
82.16	55.55	55.61	56.13	61.82	55.67	67.35	62.07	51.15
82.24	55.33	55.44	55.93	61.74	57.65	75.51	62.40	50.51
82.32	55.39	55.44	56.42	62.02	59.28	75.45	63.03	52.73
82.40	55.33	55.39	56.36	62.09	57.62	69.95	60.71	51.36
82.48	54.99	55.05	55.23	61.39	54.14	64.75	57.91	48.65
82.55	54.21	54.32	54.30	60.58	53.67	65.78	58.83	49.39
82.63	53.99	54.04	54.33	60.45	55.88	74.08	60.34	49.13
82.71	54.21	54.27	55.30	61.10	58.34	75.01	62.75	52.42
82.79	54.77	54.83	56.14	61.78	57.92	69.93	62.17	52.63
82.87	55.05	55.11	55.80	61.69	55.22	65.15	60.52	50.73
82.95	55.11	55.16	55.62	61.50	55.11	65.83	62.24	51.05
83.02	55.44	55.55	56.39	61.92	58.40	74.65	65.83	52.28
83.10	56.11	56.17	57.31	62.74	60.46	76.33	66.38	55.46
83.18	56.45	56.50	57.53	63.13	59.14	70.86	63.13	54.05
83.26	56.11	56.17	56.34	62.49	55.54	65.85	59.91	50.74
83.34	55.44	55.50	55.44	61.71	54.53	65.46	60.55	51.03
83.42	55.05	55.11	55.28	61.50	56.31	73.81	60.87	50.82
83.49	55.11	55.16	55.57	61.74	58.09	75.79	61.19	53.32
83.57	54.99	55.11	55.65	61.90	57.15	70.18	59.62	52.63
83.65	54.72	54.77	54.77	61.36	54.09	65.09	57.63	49.69
83.73	54.32	54.38	54.27	60.72	53.46	64.26	59.71	49.74
83.81	54.44	54.49	54.84	60.96	56.67	72.94	63.24	50.20
83.89	55.11	55.22	56.22	61.96	59.65	76.18	66.03	54.74
83.96	55.95	56.06	57.46	62.90	59.87	71.19	65.72	55.24
84.04	56.34	56.39	57.02	62.90	56.74	66.34	62.58	52.71
84.12	56.06	56.11	56.06	62.25	55.08	64.90	62.21	52.43
84.20	55.72	55.78	55.90	62.04	57.21	73.23	62.41	51.92
84.28	55.67	55.78	56.21	62.26	58.85	76.72	63.26	53.90
84.36	55.78	55.83	56.58	62.59	58.53	71.09	62.11	53.90
84.43	55.50	55.61	55.64	62.10	55.24	65.89	59.15	51.12
84.51	54.88	54.94	54.43	61.21	53.28	63.65	59.03	50.82
84.59	54.38	54.49	54.30	60.87	55.56	71.86	60.22	50.53
84.67	54.49	54.60	54.97	61.28	57.78	76.28	62.35	52.99
84.75	54.99	55.05	55.97	62.00	58.32	71.03	62.30	54.34
84.83	55.33	55.39	55.90	62.15	56.02	66.24	61.23	52.41
84.90	55.39	55.44	55.50	61.77	54.64	63.80	62.25	51.76
84.98	55.55	55.67	56.10	61.97	57.47	72.22	64.36	52.65
85.06	56.06	56.11	56.74	62.62	59.66	77.25	65.89	55.06
85.14	56.45	56.50	57.36	63.13	59.65	72.01	63.91	55.19
85.22	56.17	56.28	56.42	62.69	56.31	66.82	60.24	52.05
85.30	55.61	55.67	55.38	61.87	54.06	63.66	60.63	51.28
85.37	55.22	55.33	55.37	61.58	56.33	71.54	61.33	51.80
85.45	55.33	55.39	55.62	61.90	58.02	76.89	62.28	53.63
85.53	55.44	55.50	56.07	62.26	58.19	71.73	60.99	54.27
85.61	55.22	55.27	55.28	61.85	55.22	66.57	58.49	51.25
85.69	54.77	54.83	54.49	61.17	53.28	63.01	59.54	50.10
85.77	54.72	54.77	54.89	61.17	56.03	70.76	62.55	50.74
85.84	55.33	55.39	56.19	62.03	59.57	76.97	66.92	54.07
85.92	56.17	56.22	57.65	63.10	60.62	72.61	66.61	55.95
86.00	56.62	56.67	57.47	63.24	57.88	67.86	63.47	53.52
86.08	56.28	56.34	56.28	62.48	55.08	63.88	62.35	51.96
86.16	55.83	55.89	56.01	62.03	56.69	71.06	62.17	52.12

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
86.24	55.72	55.78	56.12	62.17	58.53	77.27	63.55	53.06
86.31	55.95	56.00	56.97	62.76	59.61	72.83	63.85	54.94
86.39	56.00	56.11	56.65	62.65	57.01	67.64	61.65	52.67
86.47	55.61	55.67	55.44	61.87	54.12	63.30	60.72	51.20
86.55	55.05	55.11	55.00	61.26	55.68	70.03	60.52	50.82
86.63	54.88	54.99	55.26	61.49	57.72	76.75	62.56	51.90
86.71	55.27	55.39	56.44	62.24	59.26	72.82	63.47	54.92
86.78	55.67	55.78	56.49	62.44	57.24	67.85	62.12	53.03
86.86	55.72	55.78	56.07	62.17	55.03	63.59	62.49	51.31
86.94	55.78	55.83	56.35	62.03	56.92	70.30	63.95	52.16
87.02	56.11	56.17	56.91	62.55	59.66	77.47	66.12	53.45
87.10	56.45	56.50	57.71	63.13	60.50	73.85	65.14	55.01
87.18	56.34	56.45	57.10	62.87	57.56	68.58	61.47	52.22
87.25	55.78	55.89	55.87	62.01	54.49	63.85	60.92	50.26
87.33	55.33	55.39	55.62	61.53	55.67	69.51	61.14	51.18
87.41	55.33	55.39	55.85	61.78	58.25	76.80	63.07	51.88
87.49	55.50	55.55	56.53	62.19	59.05	73.63	62.36	53.62
87.57	55.33	55.39	55.96	61.96	56.36	68.37	59.22	50.83
87.65	54.83	54.88	54.89	61.28	53.57	63.51	59.25	48.92
87.72	54.55	54.60	54.95	61.01	55.18	68.66	61.16	49.35
87.80	54.94	54.99	55.91	61.58	58.67	76.60	65.57	51.23
87.88	55.72	55.78	57.49	62.60	60.98	74.37	66.87	54.37
87.96	56.28	56.34	57.82	62.91	58.80	69.56	63.92	52.48
88.04	56.11	56.17	56.74	62.37	55.54	64.69	62.27	50.39
88.12	55.67	55.72	56.30	61.81	56.12	69.04	61.91	50.65
88.19	55.50	55.61	56.26	61.78	58.33	76.82	63.08	50.67
88.27	55.67	55.78	57.12	62.33	59.99	74.79	63.96	53.12
88.35	55.72	55.83	57.01	62.38	57.92	69.48	61.65	51.42
88.43	55.39	55.44	55.90	61.71	54.64	64.51	60.24	49.13
88.51	54.66	54.72	55.06	60.87	54.66	67.97	59.25	48.75
88.59	54.32	54.44	55.03	60.94	56.93	75.93	61.22	48.35
88.66	54.55	54.60	56.09	61.50	59.08	74.64	63.00	51.97
88.74	54.88	54.99	56.51	61.92	57.78	69.54	61.60	51.03
88.82	54.99	55.05	56.02	61.57	55.05	64.83	60.81	48.74
88.90	54.94	55.05	56.10	61.30	55.89	68.01	62.44	49.15
88.98	55.27	55.33	56.59	61.60	58.71	76.49	64.94	49.64
89.06	55.61	55.67	57.55	62.24	60.58	75.76	65.44	52.42
89.13	55.78	55.83	57.55	62.35	58.64	70.56	61.94	50.50
89.21	55.44	55.50	56.47	61.77	55.27	65.54	59.85	48.13
89.29	54.83	54.94	55.76	61.00	55.08	67.54	60.06	48.24
89.37	54.72	54.83	55.89	61.14	57.55	75.97	61.88	48.31
89.45	54.88	54.99	56.51	61.55	59.03	75.78	61.96	50.58
89.53	54.72	54.77	56.20	61.42	57.12	70.32	58.69	48.46
89.60	54.16	54.21	55.07	60.74	53.76	65.25	56.54	45.95
89.68	53.65	53.71	54.68	60.12	54.00	66.54	58.87	45.71
89.76	53.88	53.93	55.48	60.53	57.77	75.29	63.38	46.64
89.84	54.55	54.66	56.97	61.46	60.13	76.25	64.86	50.08
89.92	55.11	55.22	57.71	61.90	59.26	71.25	63.14	49.32
90.00	55.11	55.22	56.85	61.47	55.82	66.39	59.81	47.03
90.07	54.72	54.83	56.22	60.83	55.38	67.25	60.83	46.99
90.15	54.60	54.66	56.32	60.88	57.64	75.74	62.18	46.58
90.23	54.83	54.94	57.08	61.43	59.67	76.96	63.03	49.39
90.31	55.05	55.16	57.59	61.78	59.15	71.54	62.39	48.91
90.39	54.94	55.05	56.74	61.30	55.83	66.68	59.39	46.59
90.47	54.32	54.38	55.64	60.42	54.50	66.67	58.66	45.68

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
90.54	53.71	53.76	55.19	60.11	56.12	74.96	58.57	44.00
90.62	53.60	53.65	55.71	60.43	58.13	76.78	60.04	46.80
90.70	53.82	53.88	56.44	60.90	58.06	71.38	60.26	47.28
90.78	53.99	54.04	56.22	60.76	55.53	66.69	58.85	45.43
90.86	53.76	53.88	55.79	60.14	54.71	66.22	59.89	44.52
90.94	53.93	53.99	56.33	60.40	57.89	75.18	63.44	44.84
91.01	54.38	54.44	57.24	61.02	60.04	77.89	63.97	46.97
91.09	54.77	54.88	57.94	61.49	59.72	72.60	62.55	46.69
91.17	54.72	54.77	57.11	61.11	56.26	67.68	59.05	44.84
91.25	54.21	54.27	56.21	60.37	54.78	66.38	58.99	44.42
91.33	54.04	54.16	56.35	60.35	57.40	74.88	61.39	44.37
91.41	54.38	54.44	57.06	60.90	59.31	78.24	61.52	46.00
91.48	54.32	54.44	57.10	60.99	58.37	72.68	58.60	45.08
91.56	53.76	53.82	55.94	60.23	54.91	67.45	55.53	42.91
91.64	52.98	53.09	54.90	59.60	53.47	65.54	56.46	41.97
91.72	52.87	52.93	55.38	59.71	56.77	73.97	60.72	42.35
91.80	53.37	53.43	56.57	60.40	59.28	78.32	62.44	44.19
91.88	53.93	53.99	57.70	60.94	59.72	73.24	62.03	43.78
91.95	54.16	54.21	57.35	60.74	56.74	68.54	59.19	42.51
92.03	53.88	53.99	56.70	60.19	55.17	66.33	59.65	42.08
92.11	53.82	53.88	56.73	60.16	57.43	74.72	60.70	42.08
92.19	53.99	54.04	57.19	60.57	59.43	79.17	61.48	43.22
92.27	54.27	54.32	58.03	61.10	60.05	73.83	61.84	43.86
92.35	54.44	54.55	57.78	60.99	57.44	69.11	60.03	42.90
92.42	53.99	54.04	56.56	60.14	54.79	66.25	58.06	41.37
92.50	53.32	53.37	56.00	59.60	56.30	74.14	57.65	40.33
92.58	53.04	53.09	56.06	59.76	57.97	78.95	58.43	41.38
92.66	53.15	53.26	57.01	60.14	58.97	73.82	59.28	42.93
92.74	53.32	53.37	56.97	60.09	56.59	69.04	58.09	41.31
92.82	53.15	53.21	56.29	59.50	54.69	66.04	58.37	39.81
92.89	53.15	53.21	56.69	59.50	57.79	74.06	61.09	40.43
92.97	53.54	53.60	57.48	60.07	60.12	79.79	62.78	41.09
93.05	54.04	54.16	58.58	60.72	60.88	75.04	62.26	41.28
93.13	54.16	54.27	58.06	60.46	57.63	70.14	58.42	40.15
93.21	53.71	53.76	56.91	59.74	55.03	66.41	58.04	39.58
93.29	53.54	53.60	57.14	59.70	57.73	74.00	60.51	40.56
93.36	53.88	53.99	57.67	60.19	59.74	80.22	61.05	40.57
93.44	53.93	54.04	58.06	60.42	59.69	75.29	58.30	39.74
93.52	53.49	53.60	57.17	59.85	56.55	70.11	55.37	38.67
93.60	52.76	52.87	55.99	59.01	53.99	65.94	55.79	37.92
93.68	52.31	52.42	55.94	58.63	56.30	73.10	58.53	38.45
93.76	52.76	52.81	57.04	59.36	59.40	79.82	61.05	39.14
93.83	53.43	53.54	58.65	60.17	61.06	75.86	61.65	39.94
93.91	53.88	53.99	58.69	60.24	58.55	71.29	59.12	40.04
93.99	53.88	53.99	58.01	59.81	56.26	67.23	59.39	39.95
94.07	53.93	53.99	58.16	59.78	58.00	74.12	60.11	40.51
94.15	54.16	54.27	58.52	60.28	60.19	80.93	60.89	40.59
94.22	54.49	54.60	59.65	60.92	61.99	76.89	62.01	41.10
94.30	54.83	54.88	59.67	61.03	59.69	72.18	60.03	40.89
94.38	54.44	54.55	58.35	60.19	56.24	67.69	57.74	39.37
94.46	53.71	53.76	57.53	59.44	57.03	73.64	57.07	38.51
94.54	53.37	53.49	57.51	59.44	59.08	80.53	58.08	38.02
94.62	53.43	53.54	58.53	59.87	60.60	76.90	58.67	38.17
94.69	53.60	53.71	58.76	59.97	58.84	72.07	58.22	38.51
94.77	53.60	53.65	58.16	59.51	56.29	67.73	58.37	38.57

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
94.85	53.65	53.71	58.44	59.44	58.30	73.67	60.27	39.78
94.93	54.10	54.21	59.26	60.22	61.44	81.32	62.85	40.80
95.01	54.83	54.94	60.65	61.13	63.24	78.43	62.86	41.27
95.09	55.11	55.22	60.54	61.15	60.62	73.54	59.55	40.67
95.16	54.77	54.88	59.31	60.46	57.21	68.72	58.33	39.80
95.24	54.60	54.66	59.28	60.26	58.78	73.81	60.16	40.40
95.32	54.94	55.05	59.92	60.87	61.37	81.69	61.22	40.76
95.40	55.11	55.16	60.46	61.19	62.41	78.94	59.44	39.93
95.48	54.77	54.88	59.99	60.83	59.78	73.74	56.56	38.81
95.56	54.10	54.16	58.67	59.76	56.34	68.84	55.60	37.58
95.63	53.54	53.65	58.31	59.30	57.58	72.97	57.72	37.83
95.71	53.88	53.99	59.33	59.99	61.33	81.18	61.65	39.42
95.79	54.72	54.83	61.12	61.08	63.81	79.47	62.67	40.63
95.87	55.39	55.44	61.58	61.47	61.94	74.93	60.32	40.92
95.95	55.44	55.55	60.81	61.17	58.97	70.35	59.88	40.74
96.03	55.33	55.44	60.60	61.01	59.53	74.11	60.12	40.81
96.10	55.44	55.55	60.81	61.42	61.97	82.10	60.76	40.92
96.18	55.78	55.89	61.99	62.13	64.51	80.41	62.76	41.53
96.26	56.28	56.34	62.64	62.66	63.23	75.79	61.74	42.00
96.34	56.22	56.34	61.65	62.14	59.51	71.21	59.17	41.01
96.42	55.67	55.72	60.73	61.38	59.28	73.88	58.23	39.88
96.50	55.27	55.39	60.53	61.32	61.47	81.75	58.58	39.42
96.57	55.39	55.50	61.56	61.80	63.74	80.82	59.83	39.71
96.65	55.67	55.78	62.17	62.08	62.65	76.11	59.31	40.44
96.73	55.89	55.95	61.85	61.90	59.95	71.72	59.51	40.81
96.81	56.00	56.11	61.88	61.80	60.72	74.32	61.83	41.58
96.89	56.34	56.45	62.44	62.31	63.83	82.53	63.40	42.26
96.97	56.95	57.06	63.72	63.17	66.42	82.25	64.71	42.89
97.04	57.40	57.45	64.14	63.52	64.62	77.50	61.35	42.52
97.12	57.12	57.18	62.90	62.81	60.77	72.66	58.71	41.62
97.20	56.78	56.90	62.49	62.33	60.97	74.21	61.03	41.74
97.28	57.06	57.18	63.05	62.97	63.97	82.62	62.53	42.38
97.36	57.45	57.57	64.00	63.60	66.00	82.92	61.88	42.33
97.59	56.56	56.67	62.44	62.22	60.92	73.99	59.24	40.90
97.67	56.73	56.90	63.14	62.60	64.36	82.41	62.23	42.16
97.75	57.62	57.73	65.00	63.83	67.88	83.78	65.19	43.65
97.83	58.52	58.63	66.07	64.83	66.94	79.22	63.01	44.47
97.91	58.80	58.91	65.67	64.68	63.88	74.86	61.72	44.49
97.98	58.85	58.96	65.32	64.43	63.60	75.17	63.08	44.54
98.06	58.91	59.02	65.32	64.54	65.86	83.28	62.88	44.33
98.14	59.19	59.30	66.22	65.14	68.57	84.68	64.72	45.06
98.22	59.68	59.79	67.22	65.82	68.28	80.10	64.43	45.74
98.30	59.74	59.85	66.43	65.57	64.47	75.61	61.26	44.92
98.38	59.19	59.24	65.18	64.61	63.27	75.03	60.59	43.62
98.45	58.80	58.91	64.99	64.50	65.24	83.00	60.83	43.25
98.53	58.85	58.96	65.78	64.93	67.74	85.14	61.76	43.57
98.61	59.13	59.24	66.68	65.26	67.50	80.43	61.60	44.12
98.69	59.35	59.46	66.44	65.18	64.72	76.10	61.47	44.69
98.77	59.35	59.46	65.99	64.93	64.14	75.31	62.80	44.69
98.85	59.52	59.63	66.32	65.28	66.93	83.35	64.61	45.31
98.92	60.07	60.18	67.56	66.14	69.94	86.25	66.39	46.31
99.00	60.62	60.73	68.43	66.69	69.43	81.54	64.32	46.26
99.08	60.51	60.57	67.46	66.13	65.44	76.95	60.94	45.41
99.16	60.01	60.07	66.40	65.32	63.99	75.23	61.68	44.82
99.24	59.90	60.01	66.54	65.43	66.63	82.93	62.99	45.08

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
99.32	60.18	60.29	67.39	66.00	69.26	86.43	63.53	45.37
99.39	60.34	60.46	68.11	66.29	69.04	81.71	62.13	45.18
99.47	60.18	60.29	67.39	65.89	65.49	77.18	59.85	44.65
99.55	59.74	59.85	66.49	65.14	64.02	75.07	61.08	44.30
99.63	59.74	59.85	66.82	65.32	67.19	82.68	63.88	45.26
99.71	60.40	60.51	68.11	66.29	70.32	87.00	65.50	46.39
99.79	61.06	61.17	69.38	67.19	70.75	82.58	65.11	46.89
99.86	61.28	61.39	68.93	67.11	67.39	78.26	62.71	46.85
99.94	61.12	61.23	68.10	66.64	65.57	75.82	63.42	46.58
100.00	61.01	61.12	68.10	66.53	67.79	82.97	63.65	46.39
100.10	61.17	61.28	68.71	66.93	70.42	87.31	64.53	46.82
100.20	61.45	61.56	69.64	67.39	71.02	82.88	64.18	47.10
100.30	61.50	61.61	69.19	67.14	67.61	78.47	61.88	46.72
100.30	61.12	61.23	68.10	66.39	65.23	75.56	61.40	45.80
100.40	60.79	60.90	67.88	66.11	67.33	82.23	61.78	45.63
100.50	61.01	61.12	68.71	66.71	70.31	87.41	63.14	46.30
100.60	61.45	61.56	69.97	67.39	71.47	83.32	64.01	47.01
100.70	61.78	61.89	69.92	67.49	68.50	79.18	62.85	47.26
100.70	61.67	61.78	69.08	67.07	66.35	75.93	63.63	47.06
100.80	61.67	61.78	69.19	67.07	68.83	82.39	65.11	47.51
100.90	62.11	62.22	70.13	67.88	71.96	87.96	66.51	48.22
101.00	62.66	62.77	71.29	68.61	72.89	84.07	65.75	48.51
101.00	62.72	62.83	70.79	68.36	69.36	79.75	63.01	48.14
101.10	62.28	62.39	69.51	67.49	66.56	76.00	62.83	47.24
101.20	61.95	62.06	69.25	67.22	68.54	81.89	63.55	47.17
101.30	62.17	62.28	70.01	67.81	71.56	87.67	64.90	47.83
101.40	62.55	62.66	71.24	68.32	72.89	84.22	64.86	48.22
101.40	62.61	62.72	71.00	68.18	69.64	80.08	62.46	47.76
101.50	62.28	62.33	69.82	67.46	66.76	76.15	62.19	47.21
101.60	62.00	62.11	69.75	67.28	68.93	81.58	64.04	47.40
101.70	62.44	62.55	70.74	68.03	72.44	87.85	66.24	48.47
101.70	63.16	63.27	72.28	68.85	74.32	84.90	67.04	49.47
101.80	63.60	63.71	72.32	68.99	71.40	80.89	65.03	49.56
101.90	63.60	63.71	71.43	68.56	68.61	77.04	65.21	49.30
102.00	63.44	63.55	71.10	68.39	69.96	81.94	64.78	49.04
102.10	63.60	63.71	71.65	68.80	73.08	88.11	66.35	49.47
102.10	63.93	64.04	72.71	69.36	74.53	85.32	65.97	49.64
102.20	64.04	64.15	72.70	69.29	71.68	81.22	64.07	49.66
102.30	63.71	63.82	71.49	68.54	68.33	77.06	63.39	48.80
102.40	63.27	63.38	70.89	68.05	69.35	81.17	62.85	48.35
102.50	63.33	63.44	71.50	68.53	72.54	87.75	64.40	48.92
102.50	63.71	63.88	72.96	69.24	74.96	85.47	66.39	49.71
102.60	64.15	64.26	73.25	69.47	72.46	81.68	64.97	49.86
102.70	64.15	64.26	72.42	69.17	69.50	77.57	65.58	49.95
102.80	64.15	64.26	72.19	69.11	70.94	81.25	66.46	50.13
102.80	64.49	64.60	72.97	69.67	74.29	87.93	68.01	50.90
102.90	65.15	65.26	74.40	70.57	76.51	86.42	68.32	51.47
103.00	65.48	65.59	74.50	70.77	73.93	82.46	66.03	51.47
103.10	65.26	65.37	73.29	70.07	70.25	78.31	65.38	50.63
103.20	64.76	64.87	72.57	69.46	70.88	80.89	65.14	50.13
103.20	64.87	64.98	73.13	69.87	74.06	87.53	66.82	50.85
103.60	64.82	64.87	73.04	69.49	71.07	80.47	65.61	50.42
103.60	64.98	65.15	73.65	70.00	74.58	87.40	67.58	51.25
103.70	65.64	65.76	75.06	70.88	77.17	86.89	68.64	52.15
103.80	66.20	66.31	75.72	71.42	75.69	83.25	67.79	52.63

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
103.90	66.31	66.42	74.88	71.11	72.11	79.43	67.74	52.39
103.90	66.14	66.25	74.38	70.75	72.29	80.75	66.96	52.05
104.00	66.31	66.42	74.76	71.17	75.47	87.54	68.68	52.56
104.10	66.64	66.75	75.75	71.79	77.58	87.50	68.24	52.81
104.20	66.91	67.02	76.31	72.13	76.40	83.78	67.56	53.26
104.30	66.86	67.02	75.56	71.68	72.63	79.82	67.18	52.80
104.30	66.53	66.64	74.64	71.07	72.28	80.43	65.86	52.08
104.40	66.36	66.47	74.82	71.15	75.14	87.07	66.82	52.18
104.50	66.58	66.75	76.01	71.76	77.67	87.83	67.86	52.69
104.60	66.97	67.14	76.72	72.15	76.76	84.12	67.38	53.08
104.60	67.02	67.08	75.83	71.79	72.97	80.11	66.76	52.91
104.70	66.75	66.86	75.08	71.29	72.78	79.94	67.47	52.74
104.80	66.97	67.08	75.58	71.75	76.01	86.71	69.60	53.40
104.90	67.47	67.63	76.77	72.51	78.76	88.25	69.86	54.11
105.00	67.91	68.02	77.57	72.93	78.00	84.58	68.72	54.35
105.00	67.85	67.96	76.62	72.50	73.86	80.76	67.00	53.78
105.10	67.36	67.47	75.57	71.78	72.99	79.67	67.29	53.10
105.20	67.36	67.52	75.93	71.98	76.25	86.25	69.58	53.83
105.30	67.85	67.96	77.18	72.81	78.89	88.68	69.51	54.39
105.40	68.07	68.19	77.89	73.08	78.22	84.83	68.01	54.26
105.40	67.85	67.96	76.96	72.50	74.08	81.03	66.13	53.60
105.50	67.41	67.52	75.97	71.82	73.10	79.54	66.82	52.97
105.60	67.36	67.47	76.02	71.96	75.89	85.88	68.43	53.44
105.70	67.74	67.85	77.13	72.69	79.00	88.66	70.18	54.53
105.70	68.35	68.47	78.33	73.43	79.39	85.19	70.46	55.25
105.80	68.58	68.69	77.79	73.29	75.54	81.57	68.51	54.96
105.90	68.35	68.41	76.76	72.68	73.94	79.75	68.27	54.26
106.00	68.19	68.30	76.68	72.65	76.38	85.82	69.25	54.38
106.10	68.35	68.47	77.50	73.18	79.11	89.08	69.85	54.81
106.10	68.69	68.86	78.59	73.74	79.64	85.56	69.61	55.19
106.20	68.80	68.86	78.09	73.49	75.85	81.94	67.85	54.89
106.30	68.35	68.47	76.89	72.71	73.81	79.43	67.16	54.03
106.40	68.02	68.13	76.73	72.49	76.04	85.13	67.61	53.85
106.40	68.19	68.35	77.59	73.04	78.92	89.21	68.93	54.41
106.50	68.58	68.69	78.68	73.60	79.67	85.78	68.95	54.78
106.60	68.69	68.80	78.18	73.47	76.21	82.13	68.11	54.98
106.70	68.52	68.69	77.26	72.90	74.33	79.36	69.10	54.67
106.80	68.58	68.69	77.35	72.99	76.82	84.89	70.07	55.04
106.80	68.91	69.08	78.21	73.72	79.81	89.49	71.21	55.76
106.90	69.36	69.47	79.22	74.32	80.67	86.36	70.25	55.93
107.00	69.36	69.47	78.68	74.01	76.88	82.79	68.18	55.40
107.10	68.91	69.03	77.40	73.21	74.25	79.38	68.25	54.60
107.20	68.52	68.63	77.13	72.93	76.26	84.14	69.42	54.64
107.20	68.69	68.86	77.93	73.49	79.30	89.27	70.13	55.19
107.30	69.08	69.19	79.22	74.04	80.56	86.53	69.89	55.47
107.40	69.19	69.30	79.07	73.97	77.32	83.07	68.53	55.41
107.50	68.91	69.03	77.85	73.26	74.54	79.54	68.33	54.78
107.50	68.69	68.80	77.46	73.04	76.43	84.04	69.58	54.90
107.60	68.97	69.14	78.32	73.77	79.81	89.46	71.69	55.74
107.70	69.58	69.70	79.68	74.54	81.50	87.11	71.94	56.51
107.80	69.81	69.92	79.39	74.52	78.16	83.58	69.57	56.22
107.90	69.47	69.58	78.07	73.76	74.86	79.85	68.89	55.35
107.90	69.03	69.14	77.46	73.32	76.26	83.76	68.88	54.89
108.00	68.97	69.08	77.85	73.62	79.00	89.25	70.04	55.09
108.10	69.19	69.30	78.96	74.14	80.67	87.07	70.00	55.32

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
108.20	69.25	69.42	78.93	74.04	77.80	83.58	68.53	55.32
108.30	68.97	69.08	77.79	73.32	74.47	79.78	67.96	54.74
108.30	68.63	68.75	77.39	72.99	75.82	83.03	68.57	54.58
108.40	68.80	68.97	78.15	73.54	79.14	89.12	70.58	55.39
108.50	69.36	69.53	79.48	74.35	81.31	87.78	71.49	56.14
108.60	69.75	69.86	79.68	74.58	78.82	84.22	70.21	56.24
108.60	69.58	69.70	78.46	73.93	75.25	80.39	69.96	55.64
108.70	69.30	69.36	77.71	73.51	75.96	82.88	69.65	55.32
108.80	69.30	69.42	78.13	73.89	79.00	89.07	70.79	55.78
108.90	69.58	69.70	79.07	74.54	80.89	88.06	70.64	55.90
109.00	69.64	69.75	79.07	74.47	78.50	84.47	68.54	55.43
109.00	69.19	69.30	77.74	73.54	74.47	80.43	68.01	54.44
109.10	68.52	68.63	76.85	72.81	75.65	81.96	68.54	54.11
109.20	68.47	68.58	77.29	73.11	78.04	88.33	69.61	54.58
109.30	68.80	68.91	78.50	73.75	80.11	88.14	69.61	54.92
109.30	69.03	69.14	79.11	73.97	78.61	84.64	69.49	55.33
109.40	68.97	69.14	78.15	73.53	74.96	80.94	69.19	55.03
109.50	68.80	68.91	77.46	73.09	75.32	81.97	69.95	55.01
109.60	68.97	69.08	77.89	73.56	78.50	88.57	71.58	55.62
109.70	69.42	69.53	78.96	74.37	80.78	88.83	71.51	56.08
109.70	69.70	69.81	79.35	74.58	79.32	85.22	70.50	56.19
109.80	69.47	69.58	78.13	73.94	75.14	81.32	69.15	55.26
109.90	68.91	69.03	77.07	73.14	74.70	81.64	68.51	54.42
110.00	68.58	68.75	76.99	73.14	77.25	88.04	69.07	54.28
110.10	68.69	68.80	77.85	73.58	79.67	88.82	69.67	54.55
110.10	68.86	68.97	78.46	73.81	78.55	85.08	68.89	54.81
110.20	68.52	68.63	77.29	73.06	74.19	81.08	66.98	53.94
110.30	67.96	68.07	76.35	72.32	73.75	80.71	67.47	53.45
110.40	67.85	67.96	76.57	72.50	76.82	87.39	69.18	53.86
110.40	68.30	68.47	77.86	73.34	79.75	89.32	70.86	54.78
110.50	68.86	69.03	78.75	73.96	79.14	85.72	70.29	55.35
110.60	68.86	68.97	77.68	73.44	74.86	81.68	68.11	54.81
110.70	68.41	68.52	76.57	72.69	73.92	80.63	68.86	54.17
110.80	68.24	68.35	76.50	72.78	76.54	87.25	69.82	54.17
110.80	68.41	68.52	77.29	73.31	79.00	89.65	69.73	54.26
110.90	68.52	68.69	77.87	73.57	78.41	85.75	68.24	54.14
111.00	68.19	68.30	76.62	72.83	74.03	81.71	65.76	53.24
111.10	67.52	67.58	75.43	71.91	72.67	79.89	66.90	52.63
111.10	67.19	67.30	75.42	71.86	75.28	86.32	68.18	52.76
111.20	67.36	67.47	76.29	72.38	77.96	89.58	68.78	53.19
111.30	67.63	67.74	77.29	72.78	78.00	85.79	68.69	53.72
111.40	67.58	67.69	76.57	72.42	74.10	81.89	66.72	53.32
111.50	67.25	67.41	75.49	71.69	72.62	79.76	67.83	53.01
111.50	67.19	67.25	75.39	71.76	75.08	86.21	68.93	53.17
111.60	67.36	67.52	76.05	72.40	77.76	89.87	69.40	53.39
111.70	67.63	67.80	76.88	72.74	77.92	86.00	68.81	53.41
111.80	67.58	67.69	76.18	72.36	74.10	82.07	66.72	53.06
111.90	67.08	67.19	74.86	71.50	71.93	79.49	66.58	52.12
111.90	66.58	66.69	74.36	71.14	73.74	85.64	66.43	51.71
112.00	66.58	66.69	74.93	71.61	76.53	89.86	67.65	51.88
112.10	66.75	66.86	75.93	71.97	77.08	85.97	67.47	52.22
112.20	66.64	66.75	75.32	71.55	73.29	81.93	65.71	51.94
112.20	66.14	66.25	74.04	70.64	70.89	78.74	65.47	51.17
112.30	65.92	66.03	74.00	70.54	73.31	85.00	67.08	51.47
112.40	66.20	66.36	74.90	71.26	76.62	90.12	69.47	52.48

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
112.50	66.75	66.86	76.04	71.97	77.36	86.41	69.04	52.92
112.60	66.80	66.97	75.39	71.74	73.64	82.30	66.60	52.40
112.60	66.31	66.42	73.93	70.80	70.83	78.72	66.25	51.42
112.70	65.87	65.98	73.43	70.49	72.64	84.50	66.86	51.24
112.80	65.87	65.98	73.89	70.90	75.38	89.86	67.47	51.33
112.90	66.03	66.14	74.77	71.32	76.26	86.40	66.58	51.15
112.90	65.87	65.98	74.17	70.90	72.68	82.14	64.57	50.72
113.00	65.26	65.37	72.79	69.94	69.75	78.22	65.03	49.92
113.10	64.82	64.93	72.40	69.64	71.49	83.64	65.81	49.83
113.20	64.93	65.04	73.13	70.11	74.61	89.56	67.50	50.65
113.30	65.31	65.42	74.39	70.72	76.11	86.57	67.97	51.12
113.30	65.48	65.59	74.17	70.65	72.86	82.46	65.76	51.03
113.40	65.20	65.31	72.96	69.96	69.92	78.43	66.36	50.58
113.50	64.87	64.98	72.40	69.63	71.15	83.43	66.39	50.33
113.60	64.82	64.93	72.51	69.93	73.61	89.46	66.60	50.19
113.70	64.93	65.04	73.40	70.29	75.11	86.37	66.61	50.12
113.70	64.87	64.98	73.01	70.06	71.93	82.13	64.54	49.89
113.80	64.32	64.38	71.50	69.06	68.40	77.80	63.62	48.68
113.90	63.66	63.77	70.76	68.43	69.29	82.43	63.15	48.03
114.00	63.44	63.55	70.93	68.64	72.25	88.81	65.22	48.24
114.00	63.71	63.82	72.21	69.22	74.08	86.24	65.67	48.80
114.10	63.82	63.93	72.21	69.14	71.29	81.97	63.94	48.64
114.20	63.49	63.60	70.99	68.39	67.94	77.54	63.78	48.22
114.30	63.11	63.22	70.44	68.00	68.90	81.71	63.83	47.99
114.40	63.27	63.44	71.02	68.56	72.34	88.85	66.92	49.08
114.40	63.82	63.99	72.29	69.35	74.34	86.80	67.47	49.64
114.50	64.10	64.21	72.19	69.42	71.57	82.33	65.00	49.28
114.60	63.60	63.71	70.60	68.43	67.65	77.64	63.63	48.15
114.70	62.94	63.05	69.78	67.90	68.13	81.02	63.40	47.39
114.80	62.83	62.94	69.94	68.16	70.93	88.22	64.69	47.63
114.80	62.94	63.05	70.83	68.57	72.88	86.52	65.15	47.65
114.90	62.88	62.99	70.67	68.46	70.19	81.93	62.56	47.42
115.00	62.50	62.55	69.54	67.68	66.81	77.33	63.28	46.91
115.10	62.06	62.17	68.97	67.21	67.42	80.25	63.22	46.66
115.10	62.11	62.22	69.35	67.63	70.33	87.79	64.86	47.07
115.20	62.44	62.55	70.57	68.26	72.67	86.72	66.40	47.67
115.30	62.66	62.77	70.68	68.36	70.49	82.14	64.09	47.72
115.40	62.50	62.61	69.61	67.76	66.96	77.61	63.83	47.38
115.50	62.17	62.28	68.90	67.25	67.07	79.92	63.85	47.03
115.50	62.11	62.22	68.90	67.50	69.54	87.44	64.58	46.90
115.60	62.17	62.28	69.51	68.00	71.44	86.54	64.82	46.78
115.70	62.17	62.22	69.65	67.90	69.58	81.81	63.04	46.57
115.80	61.78	61.89	68.53	67.18	65.89	77.18	61.99	45.94
115.80	61.28	61.39	67.75	66.50	66.01	78.96	62.53	45.69
115.90	61.23	61.34	67.86	66.75	68.79	86.68	64.32	46.08
116.00	61.50	61.61	68.97	67.39	71.25	86.68	65.56	46.54
116.10	61.78	61.89	69.47	67.67	69.67	81.98	63.81	46.56
116.20	61.61	61.73	68.47	67.07	65.89	77.36	62.26	46.03
116.20	61.17	61.28	67.58	66.44	65.57	78.42	62.60	45.67
116.30	61.12	61.28	67.79	66.72	68.54	86.34	65.29	46.44
116.40	61.50	61.61	68.69	67.39	70.79	86.94	66.00	46.81
116.50	61.67	61.78	68.92	67.50	69.29	81.88	63.97	46.44
116.60	61.23	61.34	67.53	66.68	65.06	76.99	60.99	45.28
116.60	60.51	60.62	66.47	65.79	64.33	77.32	61.94	44.56
116.70	60.23	60.34	66.36	65.75	66.90	85.18	63.42	44.72

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
116.80	60.40	60.51	67.26	66.29	69.49	86.47	64.46	45.15
116.90	60.62	60.68	67.74	66.42	68.39	81.51	63.07	45.26
116.90	60.34	60.46	66.75	65.81	64.63	76.72	60.81	44.56
117.00	59.90	60.01	65.92	65.18	63.96	76.64	62.12	44.28
117.10	59.90	60.01	66.25	65.43	66.90	84.78	64.65	44.90
117.20	60.34	60.46	67.32	66.24	69.60	86.77	66.14	45.71
117.30	60.73	60.79	67.90	66.59	68.72	81.80	64.58	45.81
117.30	60.57	60.68	66.86	66.08	64.90	76.86	62.08	45.22
117.40	60.01	60.12	65.64	65.17	63.39	76.14	62.22	44.31
117.50	59.57	59.68	65.25	65.15	65.44	83.93	62.92	43.86
117.60	59.52	59.63	65.75	65.58	67.78	86.14	64.00	44.07
117.60	59.57	59.68	66.21	65.82	67.04	80.78	62.49	44.03
117.70	59.30	59.41	65.19	65.43	63.40	75.96	60.03	43.31
117.80	58.74	58.85	64.19	64.57	62.01	74.79	60.87	43.01
117.90	58.52	58.63	64.14	64.40	64.45	82.89	62.67	43.15
118.00	58.74	58.85	65.04	64.88	67.39	86.00	64.29	43.55
118.00	59.19	59.30	66.17	65.43	67.50	80.93	64.56	44.35
118.10	59.24	59.35	65.25	65.07	63.58	76.07	60.76	43.61
118.20	58.68	58.74	63.94	64.18	61.53	74.10	60.61	42.67
118.30	58.29	58.35	63.67	64.04	63.86	82.04	62.68	43.07
118.40	58.46	58.57	64.32	64.54	66.39	85.82	63.56	43.71
118.40	58.63	58.74	64.88	64.89	66.10	80.39	62.51	43.52
118.50	58.46	58.57	64.03	64.47	62.64	75.49	60.06	42.82
118.60	57.85	57.96	62.80	63.63	60.60	73.14	60.42	42.47
118.70	57.45	57.51	62.44	63.33	62.75	80.97	61.41	42.31
118.70	57.45	57.57	62.97	63.72	65.32	85.18	62.92	42.42
118.80	57.68	57.79	63.82	64.00	65.38	79.99	62.01	42.65
118.90	57.62	57.73	63.20	63.65	62.15	75.03	60.21	42.33
119.00	57.34	57.45	62.42	62.99	60.33	72.56	60.97	41.96
119.10	57.34	57.40	62.50	63.10	62.69	80.42	62.44	42.28
119.10	57.45	57.57	62.87	63.54	64.93	85.10	63.72	42.51
119.20	57.51	57.62	63.31	63.72	64.82	79.74	62.01	42.22
119.30	57.34	57.40	62.56	63.28	61.50	74.55	59.81	42.02
119.40	56.84	56.95	61.35	62.44	59.22	71.54	59.87	41.63
119.50	56.56	56.67	61.31	62.28	61.55	79.25	61.69	42.05
119.50	56.73	56.84	61.74	62.76	63.88	84.48	62.90	42.57
119.60	57.06	57.18	62.53	63.28	64.21	79.39	61.92	42.65
119.70	56.95	57.01	61.72	62.83	60.78	74.17	58.72	41.71
119.80	56.45	56.56	60.69	62.12	58.60	70.89	59.47	41.31
119.80	56.22	56.28	60.66	61.93	60.74	78.46	60.80	41.68
119.90	56.45	56.56	61.42	62.55	63.71	84.29	63.67	42.47
120.00	56.95	57.06	62.65	63.22	64.78	79.54	64.26	42.80
120.10	57.06	57.12	62.00	63.07	61.28	74.36	60.50	42.35
120.20	56.50	56.56	60.54	62.14	58.28	70.22	59.68	41.35
120.20	56.00	56.11	60.13	61.80	60.03	77.39	61.14	41.49
120.30	56.06	56.17	60.35	62.22	62.08	83.47	61.63	41.90
120.40	56.22	56.34	61.14	62.56	63.03	78.75	61.44	41.71
120.50	56.11	56.17	60.49	62.25	59.94	73.53	58.77	41.13
120.50	55.67	55.72	59.37	61.50	57.44	69.40	59.55	41.03
120.60	55.27	55.33	59.04	61.11	59.00	76.31	59.86	41.16
120.70	55.27	55.39	59.30	61.44	61.30	82.72	61.38	41.28
120.80	55.55	55.67	60.37	61.97	62.71	78.44	62.17	41.65
120.90	55.72	55.83	60.19	61.94	59.98	73.35	60.06	41.47
120.90	55.50	55.55	59.15	61.27	57.28	69.06	59.74	41.21
121.00	55.33	55.44	59.18	61.19	59.08	75.68	61.26	42.13

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
121.10	55.61	55.72	59.63	61.78	61.69	82.61	63.81	43.47
121.20	55.95	56.06	60.47	62.35	62.69	78.39	63.10	44.51
121.30	56.00	56.06	59.93	62.19	59.78	73.15	60.32	43.05
121.30	55.50	55.61	58.49	61.30	56.49	68.39	58.80	41.60
121.40	54.94	55.05	58.10	60.74	57.89	74.61	59.39	41.65
121.50	55.05	55.16	58.44	61.16	60.33	81.72	61.60	42.29
121.60	55.27	55.39	59.19	61.63	61.35	77.92	61.28	43.14
121.60	55.22	55.27	58.64	61.42	58.60	72.47	58.22	41.90
121.70	54.72	54.77	57.46	60.62	55.58	67.68	58.08	40.95
121.80	54.32	54.44	57.32	60.26	57.15	73.57	59.22	41.56
121.90	54.49	54.60	57.89	60.72	60.06	81.00	62.71	42.52
122.00	55.11	55.22	59.35	61.71	62.26	78.01	64.45	46.31
122.00	55.67	55.72	59.49	62.11	59.90	72.83	61.65	46.33
122.10	55.55	55.61	58.30	61.57	56.59	67.88	60.14	44.80
122.20	55.16	55.27	57.88	61.08	57.83	72.97	61.01	44.69
122.30	55.27	55.33	58.07	61.42	59.74	80.68	62.14	44.87
122.30	55.44	55.55	58.72	61.92	61.06	77.72	62.06	46.40
122.40	55.50	55.55	58.52	61.82	58.94	72.40	60.09	45.27
122.50	55.05	55.16	57.19	61.03	55.53	67.24	58.88	43.88
122.60	54.44	54.55	56.58	60.37	56.30	71.74	59.24	44.14
122.70	54.27	54.38	56.64	60.56	58.42	79.56	60.65	43.97
122.70	54.55	54.66	57.72	61.22	60.58	77.29	62.49	46.64
122.80	54.83	54.94	57.76	61.43	58.40	72.04	59.71	45.86
122.90	54.66	54.77	56.92	60.90	55.49	67.11	59.37	44.63
123.00	54.60	54.72	56.97	60.78	56.92	71.11	60.89	45.37
123.10	54.99	55.11	57.47	61.42	59.55	79.39	63.81	46.56
123.10	55.55	55.61	58.52	62.19	61.38	77.72	64.34	50.01
123.20	55.83	55.95	58.43	62.42	59.30	72.32	61.67	48.81
123.30	55.61	55.67	57.27	61.75	55.78	67.22	59.58	46.62
123.40	55.05	55.11	56.53	61.01	55.97	70.47	59.47	46.85
123.40	54.99	55.11	56.74	61.22	58.28	78.61	61.97	47.00
123.50	55.27	55.39	57.58	61.81	60.17	77.39	62.51	49.85
123.60	55.44	55.50	57.56	61.95	58.37	71.90	59.85	48.57
123.70	55.16	55.22	56.42	61.31	55.05	66.96	58.26	46.44
123.80	54.77	54.88	56.12	60.76	55.55	69.51	59.65	47.31
123.80	54.83	54.88	56.31	61.03	58.09	77.80	62.13	47.42
123.90	55.22	55.33	57.53	61.94	60.78	77.42	64.74	51.36
124.00	55.83	55.95	58.15	62.62	59.47	72.22	62.72	51.19
124.10	55.95	56.06	57.28	62.35	56.20	67.22	60.38	49.19
124.10	55.72	55.78	56.81	61.86	56.35	69.10	61.79	49.83
124.20	55.83	55.95	57.12	62.19	58.84	77.67	63.42	50.14
124.30	56.17	56.22	57.71	62.73	60.40	77.71	63.55	52.81
124.40	56.34	56.39	57.94	62.96	59.20	72.25	61.88	51.49
124.50	56.11	56.22	56.99	62.46	55.97	67.22	59.94	49.37
124.50	55.67	55.72	56.24	61.74	55.61	68.43	60.86	50.38
124.60	55.72	55.78	56.58	61.98	58.42	77.01	62.85	50.78
124.70	56.00	56.11	57.40	62.65	60.42	77.83	64.29	53.63
124.80	56.34	56.45	57.80	63.10	59.34	72.28	62.78	53.01
124.90	56.28	56.34	56.91	62.66	56.05	67.18	59.98	50.56
124.90	56.11	56.17	56.63	62.37	56.00	67.81	62.18	51.18
125.00	56.39	56.45	57.14	62.77	59.09	76.61	65.35	52.07
125.10	56.90	57.01	58.18	63.67	61.37	78.18	66.65	56.27
125.20	57.45	57.51	58.71	64.31	60.59	72.72	65.17	55.84
125.20	57.45	57.51	57.74	63.88	57.05	67.63	61.67	52.69
125.30	56.84	56.90	56.73	62.97	55.81	67.46	61.50	52.96

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
125.40	56.56	56.67	56.76	62.90	58.42	76.10	63.62	53.06
125.50	56.84	56.90	57.47	63.52	60.27	78.01	64.21	56.19
125.60	57.12	57.18	57.81	63.92	59.47	72.49	62.48	55.59
125.60	57.06	57.12	57.12	63.62	56.49	67.33	60.85	53.18
125.70	56.84	56.90	56.56	63.09	55.69	66.83	62.20	53.92
125.80	56.84	56.95	56.92	63.24	58.58	75.49	64.76	54.21
125.90	57.34	57.40	58.03	64.14	61.33	78.32	67.25	58.26
126.00	58.01	58.13	58.96	65.01	61.22	73.04	66.54	58.88
126.00	58.35	58.41	58.47	65.01	58.24	68.07	63.78	56.30
126.10	58.13	58.24	57.69	64.45	56.94	66.81	64.38	56.28
126.20	58.18	58.24	58.07	64.60	59.55	75.46	66.15	56.92
126.30	58.52	58.57	58.52	65.24	61.30	78.94	66.31	59.78
126.30	58.74	58.80	58.91	65.65	60.84	73.28	64.61	59.40
126.40	58.63	58.68	58.23	65.23	57.88	68.16	62.83	56.40
126.50	58.24	58.29	57.33	64.54	56.35	66.26	63.24	56.97
126.60	57.90	57.96	57.28	64.33	58.88	74.57	64.74	57.69
126.70	58.29	58.35	58.18	65.14	61.25	78.81	66.79	61.03
126.70	58.85	58.91	59.03	65.88	61.35	73.39	66.29	61.50
126.80	59.02	59.08	58.51	65.80	58.39	68.28	63.83	58.37
126.90	58.80	58.85	57.77	65.21	56.91	65.92	65.01	57.80
127.00	58.85	58.91	58.28	65.33	59.93	74.35	67.87	58.64
127.00	59.35	59.46	59.26	66.15	62.62	79.17	70.19	62.72
127.10	60.07	60.12	60.24	67.10	62.85	74.06	69.07	63.75
127.20	60.23	60.29	59.56	66.89	59.55	68.94	65.31	60.28
127.30	59.79	59.85	58.38	66.08	57.34	66.03	64.96	59.75
127.40	59.41	59.46	58.27	65.82	59.41	74.01	65.53	60.32
127.40	59.57	59.68	58.87	66.38	61.81	79.21	67.65	63.01
127.50	59.96	60.07	59.60	67.07	61.92	73.97	66.11	64.01
127.60	59.96	60.01	58.89	66.80	58.94	68.76	63.90	60.61
127.70	59.57	59.68	57.90	66.01	56.74	65.47	64.24	59.99
127.80	59.35	59.46	58.01	65.86	59.26	73.38	66.29	60.81
127.80	59.74	59.79	59.01	66.64	62.35	79.08	69.69	64.02
127.90	60.40	60.51	60.21	67.57	63.33	74.32	70.03	66.26
128.00	60.84	60.90	60.00	67.75	60.50	69.29	67.49	63.05
128.10	60.73	60.79	59.15	67.21	58.23	65.63	67.29	61.73
128.10	60.68	60.73	59.38	67.15	60.45	73.33	68.03	63.15
128.20	60.90	61.01	59.85	67.71	62.74	79.54	69.57	65.64
128.30	61.34	61.39	60.66	68.42	63.33	74.86	68.33	67.10
128.40	61.34	61.45	60.13	68.26	60.51	69.72	66.44	63.67
128.50	60.95	61.01	58.98	67.43	57.88	65.49	66.03	62.30
128.50	60.51	60.57	58.70	67.04	59.77	72.56	66.64	63.67
128.60	60.62	60.68	59.21	67.53	62.15	79.07	68.32	66.11
128.70	61.12	61.17	60.22	68.39	63.10	74.92	68.46	68.34
128.80	61.39	61.45	60.04	68.47	60.71	69.74	67.08	64.99
128.80	61.34	61.39	59.36	68.00	58.44	65.52	67.82	63.12
128.90	61.28	61.34	59.59	67.76	60.66	72.18	69.66	64.10
129.00	61.73	61.78	60.49	68.56	63.83	79.36	72.86	67.40
129.10	62.39	62.50	61.69	69.54	64.97	75.67	72.07	70.22
129.20	62.66	62.72	61.31	69.61	62.04	70.55	68.61	66.51
129.20	62.28	62.33	60.02	68.80	58.93	65.92	67.53	64.06
129.30	61.73	61.78	59.69	68.19	60.36	72.00	67.59	65.15
129.40	61.73	61.84	60.06	68.58	62.78	79.13	69.43	67.33
129.50	62.06	62.17	60.78	69.28	63.72	75.61	68.81	70.06
129.60	62.11	62.17	60.36	69.24	61.09	70.27	66.40	66.48
129.60	61.78	61.84	59.24	68.49	58.08	65.43	66.25	64.08

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
129.70	61.34	61.39	59.08	67.94	59.75	71.09	67.72	65.19
129.80	61.61	61.67	59.98	68.57	63.15	78.65	71.36	67.72
129.90	62.33	62.44	61.46	69.72	65.31	75.88	73.31	72.04
129.90	62.99	63.05	61.76	70.11	63.17	70.88	71.26	68.83
130.00	63.11	63.16	60.96	69.68	60.21	66.31	70.51	65.83
130.10	62.83	62.88	60.74	69.29	61.18	71.24	69.72	67.03
130.20	62.83	62.94	60.99	69.61	63.53	79.07	70.61	68.61
130.30	63.11	63.16	61.69	70.22	64.81	76.61	70.42	71.83
130.30	63.16	63.22	61.47	70.28	62.53	71.31	68.40	68.39
130.40	62.83	62.88	60.35	69.58	59.31	66.29	67.73	65.29
130.50	62.28	62.33	59.85	68.86	60.12	70.35	67.70	67.00
130.60	62.17	62.22	60.02	69.06	62.45	78.22	68.98	68.44
130.70	62.50	62.55	60.92	69.81	64.14	76.45	69.91	72.34
130.70	62.72	62.77	60.97	70.02	62.27	71.13	68.58	69.07
130.80	62.66	62.72	60.18	69.54	59.37	66.22	68.35	65.65
130.90	62.55	62.66	60.33	69.22	60.71	69.76	70.43	66.69
131.00	62.94	63.05	61.22	69.85	64.22	78.31	73.90	69.14
131.00	63.60	63.71	62.44	70.74	66.07	77.29	73.96	73.63
131.10	63.93	64.04	62.44	71.00	63.90	72.10	70.65	70.11
131.20	63.66	63.71	61.12	70.34	60.19	67.13	68.21	66.04
131.30	62.99	63.05	60.46	69.44	60.44	69.65	68.42	67.28
131.40	62.83	62.88	60.69	69.65	63.00	77.92	70.15	68.58
131.40	63.05	63.16	61.44	70.32	64.67	77.29	70.74	72.82
131.50	63.22	63.27	61.30	70.45	62.59	71.79	67.86	69.64
131.60	62.83	62.88	60.01	69.71	59.08	66.74	65.81	65.39
131.70	62.22	62.28	59.40	68.86	59.22	68.54	67.21	66.42
131.70	62.17	62.22	60.02	69.06	62.79	77.08	71.40	68.10
131.80	62.88	62.94	61.64	70.25	65.78	77.44	74.60	73.66
131.90	63.66	63.71	62.42	71.01	64.57	72.41	72.69	71.18
132.00	63.88	63.93	61.73	70.62	61.27	67.79	69.89	66.69
132.10	63.55	63.60	61.23	69.99	60.99	69.05	70.00	67.66
132.10	63.38	63.49	61.31	70.10	63.35	77.61	70.81	68.72
132.20	63.66	63.71	62.08	70.76	65.36	78.38	71.65	72.72
132.30	63.82	63.88	62.24	71.05	63.94	73.01	69.75	70.40
132.40	63.49	63.55	61.07	70.36	60.26	67.76	66.90	65.79
132.50	62.83	62.88	60.18	69.40	59.65	68.08	67.82	67.20
132.50	62.50	62.55	60.13	69.26	61.99	76.54	68.36	67.82
132.60	62.61	62.72	60.78	69.88	64.06	78.07	69.96	72.05
132.70	62.99	63.05	61.36	70.42	63.51	72.72	69.79	70.61
132.80	63.16	63.22	61.02	70.22	60.72	67.88	68.75	66.76
132.80	63.11	63.16	60.74	69.74	60.44	67.91	70.51	66.79
132.90	63.22	63.33	61.44	70.00	63.81	76.75	73.57	68.22
133.00	63.82	63.93	62.67	70.96	66.35	79.26	74.69	72.74
133.10	64.32	64.38	63.14	71.47	65.29	74.03	72.04	71.33
133.20	64.15	64.21	62.07	70.95	61.66	68.94	68.69	66.62
133.20	63.49	63.55	61.01	69.94	60.37	68.03	68.56	66.74
133.30	63.05	63.11	60.96	69.68	62.77	76.47	69.85	67.25
133.40	63.05	63.16	61.44	70.14	64.56	79.11	70.47	71.04
133.50	63.22	63.27	61.64	70.45	63.67	73.56	68.63	69.98
133.50	62.83	62.94	60.49	69.79	59.97	68.36	65.65	65.32
133.60	62.22	62.28	59.51	68.75	58.59	66.85	66.60	65.04
133.70	62.00	62.11	60.06	68.79	62.31	75.38	71.61	66.32
133.80	62.66	62.72	61.42	69.85	65.33	79.33	73.78	70.89
133.90	63.38	63.44	62.48	70.68	65.25	74.15	72.94	70.74
133.90	63.60	63.71	62.05	70.56	62.15	69.31	70.25	66.36

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
134.00	63.38	63.44	61.35	69.89	60.60	67.47	70.18	66.02
134.10	63.16	63.27	61.44	69.75	62.85	75.99	70.58	66.86
134.20	63.38	63.49	62.12	70.33	65.28	80.32	72.18	70.17
134.30	63.66	63.77	62.72	70.86	65.11	74.99	71.00	69.93
134.30	63.49	63.55	61.80	70.36	61.56	69.79	67.78	65.61
134.40	62.77	62.83	60.46	69.23	59.31	66.96	67.33	64.98
134.50	62.17	62.22	60.08	68.69	61.15	74.90	67.15	65.24
134.60	62.06	62.11	60.36	69.01	63.31	79.60	68.96	68.07
134.60	62.28	62.33	61.21	69.58	63.75	74.47	69.52	68.72
134.70	62.39	62.50	60.90	69.47	61.17	69.43	68.18	65.32
134.80	62.17	62.22	60.08	68.75	59.10	66.44	68.20	63.43
134.90	61.89	61.95	60.31	68.42	61.72	74.54	70.35	64.10
135.00	62.22	62.28	61.32	69.17	64.78	80.20	72.92	67.46
135.00	62.77	62.83	62.27	69.96	65.10	75.32	71.39	68.44
135.10	62.83	62.88	61.65	69.71	61.87	70.28	68.33	64.52
135.20	62.33	62.39	60.47	68.73	59.33	66.78	67.58	63.07
135.30	61.84	61.89	60.31	68.31	61.38	74.48	68.48	63.70
135.40	61.84	61.89	60.71	68.67	63.48	80.26	69.51	66.12
135.40	62.06	62.11	61.38	69.19	63.99	75.40	68.87	67.29
135.50	61.89	61.95	60.53	68.78	60.64	70.06	65.83	63.58
135.60	61.17	61.23	59.09	67.58	57.81	65.98	65.29	61.22
135.70	60.51	60.62	58.85	67.01	59.80	73.29	66.40	61.19
135.70	60.51	60.57	59.38	67.35	62.50	79.58	69.07	63.59
135.80	60.90	61.01	60.53	68.14	63.53	75.17	69.39	65.64
135.90	61.12	61.17	60.39	68.08	60.94	70.17	67.25	61.86
136.00	60.90	61.01	59.63	67.39	58.60	66.18	67.14	60.19
136.10	60.68	60.73	59.61	67.03	60.28	73.33	67.07	61.07
136.10	60.79	60.90	60.14	67.54	62.85	80.22	69.19	63.03
136.20	61.12	61.17	61.01	68.14	63.78	76.06	68.72	64.79
136.30	61.12	61.23	60.58	67.99	60.97	70.82	66.22	61.37
136.40	60.68	60.73	59.32	67.08	58.00	66.19	65.22	59.60
136.40	60.12	60.18	59.00	66.41	59.39	72.61	65.20	60.26
136.50	59.96	60.07	59.03	66.58	61.24	79.67	66.11	61.06
136.60	59.96	60.01	59.45	66.92	61.89	75.71	65.21	62.69
136.70	59.68	59.74	58.84	66.58	59.34	70.25	63.18	59.73
136.80	59.30	59.35	58.05	65.83	56.89	65.53	64.19	57.25
136.80	59.02	59.08	58.22	65.43	58.85	71.71	65.94	57.67
136.90	59.24	59.35	59.05	65.93	61.76	79.50	68.71	59.31
137.00	59.74	59.85	60.22	66.72	63.40	76.39	68.68	61.72
137.10	59.96	60.01	60.07	66.74	60.81	71.22	66.00	58.97
137.20	59.63	59.68	58.95	65.92	57.69	66.40	64.97	56.62
137.20	59.08	59.13	58.51	65.24	58.79	71.85	65.03	57.11
137.30	58.96	59.08	58.76	65.53	61.03	79.39	66.79	58.26
137.40	59.24	59.30	59.69	66.15	62.76	76.49	67.56	60.93
137.50	59.30	59.41	59.33	66.04	60.01	71.22	63.97	57.89
137.50	58.63	58.74	57.69	64.94	56.24	66.05	61.90	54.51
137.60	57.68	57.79	56.85	63.89	56.85	70.60	61.56	53.90
137.70	57.40	57.51	57.26	64.03	59.94	78.40	65.58	55.38
137.80	58.07	58.13	58.87	65.11	62.28	76.40	67.53	59.16
137.90	58.57	58.63	59.26	65.42	60.39	71.44	65.06	56.44
137.90	58.46	58.52	58.41	64.82	57.26	66.75	63.81	53.62
138.00	58.13	58.18	58.19	64.24	58.13	71.01	64.17	54.42
138.10	58.24	58.29	58.69	64.60	60.86	79.36	66.65	55.23
138.20	58.52	58.63	59.51	65.14	62.30	77.47	66.17	57.63
138.20	58.52	58.57	59.26	65.11	60.11	72.09	63.42	55.24

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
138.30	58.13	58.18	58.19	64.42	56.87	67.04	62.34	52.84
138.40	57.73	57.79	57.85	63.79	57.51	70.45	63.00	53.68
138.50	57.51	57.57	57.74	63.75	59.28	78.65	63.22	53.10
138.60	57.40	57.45	58.03	64.01	60.48	77.33	62.67	55.26
138.60	57.18	57.29	57.89	63.94	58.87	71.78	61.15	53.58
138.70	57.01	57.06	57.24	63.50	56.15	66.83	60.88	51.46
138.80	56.90	56.95	57.41	63.15	57.35	69.72	63.74	51.78
138.90	57.18	57.23	58.09	63.48	60.26	78.60	65.77	51.89
139.00	57.57	57.68	59.24	64.21	62.31	78.31	66.71	54.94
139.00	57.90	58.01	59.64	64.54	60.94	73.01	64.76	53.35
139.10	57.73	57.85	58.67	63.88	57.53	68.11	62.15	50.73
139.20	57.18	57.23	57.86	63.05	57.23	70.08	62.01	50.76
139.30	56.84	56.90	57.76	62.97	59.42	78.44	63.69	50.68
139.30	57.01	57.12	58.74	63.58	61.83	78.37	65.81	53.85
139.40	57.29	57.40	59.03	63.87	60.33	73.11	63.10	52.30
139.50	56.95	57.01	57.81	63.08	56.55	68.01	59.60	49.21
139.60	56.11	56.17	56.80	62.06	55.94	69.13	59.73	48.01
139.70	55.72	55.78	56.81	62.04	58.76	77.71	62.58	48.24
139.70	56.11	56.22	58.26	62.94	61.62	78.56	65.63	52.17
139.80	56.78	56.90	59.15	63.56	60.69	73.50	63.58	51.01
139.90	56.84	56.90	58.44	63.03	57.41	68.70	60.71	48.22
140.00	56.39	56.45	57.82	62.22	56.85	69.50	61.50	48.03
140.00	56.34	56.45	58.14	62.44	59.63	78.33	64.10	48.26
140.10	56.62	56.73	58.87	62.96	61.38	79.65	63.94	50.49
140.20	56.67	56.78	58.99	63.08	60.13	74.10	61.37	49.31
140.30	56.28	56.39	57.90	62.44	56.76	68.89	58.51	46.97
140.40	55.95	56.00	57.55	61.90	56.58	68.97	60.97	47.58
140.40	55.95	56.00	57.89	62.08	59.10	77.93	62.63	46.87
140.50	56.00	56.06	58.17	62.32	60.23	79.82	61.19	48.43
140.60	55.78	55.89	58.15	62.44	59.30	74.11	58.99	47.71
140.70	55.44	55.55	57.35	61.97	56.39	68.94	57.76	46.22
140.80	55.27	55.33	57.22	61.54	56.36	68.49	60.39	45.67
140.80	55.39	55.44	57.78	61.77	59.17	77.73	63.03	45.07
140.90	55.72	55.83	58.66	62.26	61.17	80.44	63.40	46.67
141.00	56.06	56.17	59.44	62.65	61.05	75.07	62.76	46.40
141.10	56.06	56.11	58.74	62.25	57.83	70.13	59.76	44.52
141.10	55.55	55.67	57.87	61.47	56.62	68.97	60.08	44.12
141.20	55.16	55.27	57.65	61.28	58.51	77.46	60.74	43.90
141.30	55.33	55.39	58.41	61.84	61.27	80.74	63.60	46.16
141.40	55.83	55.95	59.40	62.49	61.28	75.39	62.81	46.35
141.50	55.83	55.89	58.57	62.03	57.67	70.44	58.84	44.20
141.50	55.05	55.11	57.22	61.01	55.68	68.44	57.88	42.70
141.60	54.44	54.49	56.89	60.89	57.76	76.81	59.12	42.35
141.70	54.60	54.72	57.89	61.51	60.69	80.85	62.28	44.83
141.80	55.16	55.22	59.04	62.04	60.88	75.67	61.24	43.70
141.90	55.16	55.27	58.44	61.64	57.72	70.78	58.38	41.60
141.90	54.77	54.83	57.63	60.92	55.98	68.61	58.66	40.92
142.00	54.66	54.72	57.91	60.93	58.78	77.20	61.36	41.60
142.10	55.11	55.22	58.90	61.58	61.19	81.94	62.44	42.17
142.20	55.44	55.50	59.49	62.01	61.10	76.47	60.64	41.95
142.20	55.27	55.33	58.76	61.60	57.91	71.30	57.84	41.16
142.30	54.99	55.11	58.17	61.10	56.56	68.68	59.62	41.35
142.40	54.99	55.11	58.44	61.17	59.38	77.21	61.01	41.71
142.50	55.11	55.22	58.67	61.53	60.56	82.29	59.99	41.55
142.60	55.05	55.16	59.08	61.65	60.56	76.82	58.26	41.94

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
142.60	54.77	54.88	58.40	61.38	57.60	71.63	56.56	41.03
142.70	54.44	54.49	57.69	60.65	55.98	68.46	58.15	40.22
142.80	54.27	54.38	58.01	60.51	58.71	76.75	59.85	39.90
142.90	54.55	54.66	58.69	61.03	60.87	82.46	60.74	40.46
142.90	54.99	55.11	59.92	61.65	62.05	77.56	61.53	41.08
143.00	55.33	55.44	59.85	61.74	59.60	72.79	59.76	41.07
143.10	55.16	55.27	58.96	61.08	57.08	69.29	59.08	40.55
143.20	54.94	54.99	58.94	60.90	59.18	77.04	60.06	41.00
143.30	55.22	55.33	59.69	61.58	62.31	83.11	63.60	41.93
143.30	55.95	56.06	61.15	62.53	63.44	78.65	63.17	42.22
143.40	56.17	56.22	60.72	62.36	60.23	73.67	59.52	41.36
143.50	55.61	55.67	59.26	61.44	57.10	69.69	57.64	39.91
143.60	54.88	54.94	58.71	60.78	58.61	76.72	58.33	39.26
143.70	54.77	54.88	59.19	61.13	61.19	83.11	60.53	39.62
143.70	55.22	55.27	60.57	61.79	62.75	78.79	61.03	40.04
143.80	55.44	55.55	60.47	61.67	60.10	73.96	58.56	40.03
143.90	55.22	55.33	59.58	61.08	57.53	69.86	58.69	40.07
144.00	55.16	55.22	59.72	61.00	59.74	76.99	60.45	40.87
144.00	55.55	55.67	60.47	61.65	62.42	84.04	61.83	41.39
144.10	56.06	56.17	61.65	62.40	63.83	79.89	61.89	41.54
144.20	56.28	56.39	61.47	62.44	61.22	74.86	59.40	41.50
144.30	56.17	56.28	60.74	61.96	58.72	70.61	59.72	41.13
144.40	56.06	56.17	60.74	61.78	60.60	77.28	60.58	41.37
144.40	56.22	56.34	61.08	62.26	62.69	84.43	61.10	41.35
144.50	56.34	56.45	61.71	62.56	63.49	80.51	59.28	40.49
144.60	56.11	56.22	61.31	62.28	60.88	75.31	57.65	39.83
144.70	55.78	55.89	60.47	61.58	58.33	70.76	58.46	39.67
144.70	55.72	55.83	60.81	61.46	60.49	77.04	60.85	40.49
144.80	56.11	56.22	61.42	62.08	63.15	84.67	62.21	41.42
144.90	56.62	56.73	62.72	62.83	65.13	81.40	62.62	42.01
145.00	57.01	57.12	62.93	63.10	62.90	76.54	60.65	42.15
145.10	57.01	57.12	62.26	62.72	60.24	72.06	61.26	41.97
145.10	56.84	56.95	62.03	62.44	61.38	77.42	61.53	42.24
145.20	57.12	57.23	62.53	63.03	64.43	85.13	63.72	42.79
145.30	57.73	57.79	63.96	63.91	66.49	82.46	64.22	43.21
145.40	58.01	58.13	64.03	64.03	64.07	77.51	61.64	42.99
145.50	57.62	57.73	62.69	63.22	60.39	72.74	59.33	41.44
145.50	56.90	56.95	61.78	62.35	60.66	77.10	58.40	40.42
145.60	56.73	56.84	62.15	62.64	63.76	84.92	61.42	41.16
145.70	57.23	57.34	63.72	63.51	66.42	82.79	63.31	42.02
145.80	57.73	57.85	64.15	63.76	64.29	78.11	61.01	42.26
145.80	57.62	57.73	63.15	63.15	60.96	73.36	60.12	41.89
145.90	57.34	57.40	62.78	62.67	61.84	77.27	61.56	42.19
146.00	57.73	57.85	63.71	63.51	65.32	85.64	64.25	43.24
146.10	58.41	58.52	65.11	64.49	67.64	84.01	64.74	43.74
146.20	58.80	58.91	65.32	64.75	65.53	78.97	62.24	44.05
146.20	58.80	58.91	64.58	64.25	62.46	74.42	62.06	43.51
146.30	58.68	58.80	64.36	63.90	63.03	77.72	62.13	43.49
146.40	58.85	58.91	64.61	64.28	65.49	85.99	62.71	43.46
146.50	59.02	59.13	65.49	64.85	67.56	84.79	62.55	43.47
146.60	59.02	59.13	65.49	64.79	65.46	79.72	59.65	42.94
146.60	58.74	58.85	64.54	64.14	62.35	74.97	60.17	42.67
146.70	58.52	58.57	64.29	63.71	62.84	77.54	61.59	42.76
146.80	58.57	58.68	64.54	64.03	65.53	85.83	62.37	43.11
146.90	58.96	59.02	65.75	64.76	68.10	85.22	63.95	43.83

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
146.90	59.35	59.46	66.32	65.11	66.86	80.39	62.80	44.35
147.00	59.52	59.57	65.85	64.82	63.83	75.89	62.06	44.22
147.10	59.30	59.41	65.25	64.39	63.64	77.71	62.22	44.02
147.20	59.35	59.46	65.54	64.68	66.82	85.89	64.63	44.51
147.30	59.90	60.01	67.00	65.67	69.50	86.25	66.06	45.35
147.30	60.34	60.46	67.50	66.04	68.04	81.36	63.35	45.26
147.40	60.18	60.29	66.36	65.46	64.07	76.65	60.03	44.22
147.50	59.63	59.74	65.47	64.65	63.69	77.60	60.10	43.47
147.60	59.46	59.57	65.54	64.79	66.29	85.92	61.85	43.66
147.60	59.85	59.96	66.82	65.54	68.94	86.81	63.03	44.23
147.70	60.18	60.34	67.47	65.91	67.95	81.93	61.90	44.60
147.80	60.12	60.18	66.57	65.37	64.32	77.10	59.86	44.31
147.90	59.79	59.85	65.90	64.73	64.05	77.47	61.98	44.24
148.00	60.01	60.12	66.60	65.29	67.54	86.01	64.86	45.19
148.00	60.68	60.79	67.93	66.32	70.14	87.61	65.25	45.87
148.10	61.12	61.23	68.49	66.75	69.13	82.64	63.06	46.06
148.20	61.06	61.12	67.73	66.31	65.54	78.01	61.15	45.44
148.30	60.73	60.84	66.97	65.69	65.01	77.72	62.15	45.22
148.40	60.73	60.90	67.17	65.90	67.54	85.96	63.15	45.33
148.40	61.01	61.17	68.07	66.61	70.00	88.21	63.33	45.62
148.50	61.23	61.34	68.71	66.93	69.29	83.28	61.96	45.72
148.60	61.12	61.23	67.93	66.46	65.79	78.63	60.44	45.17
148.70	60.68	60.79	67.04	65.64	65.07	77.57	61.31	44.55
148.70	60.57	60.68	67.08	65.72	67.40	85.60	62.69	45.06
148.80	60.95	61.06	68.15	66.54	70.25	88.47	64.13	45.89
148.90	61.45	61.61	69.28	67.11	70.38	83.78	64.39	46.60
149.00	61.67	61.78	68.86	66.94	67.04	79.25	62.14	46.35
149.10	61.39	61.50	67.92	66.36	65.50	77.75	62.39	45.81
149.10	61.17	61.28	67.81	66.26	68.18	85.50	63.92	46.03
149.20	61.56	61.67	68.86	67.07	71.01	89.07	65.18	46.78
149.30	62.06	62.17	69.90	67.69	71.06	84.35	64.28	47.01
149.40	62.11	62.17	69.26	67.36	67.44	79.83	61.41	46.60
149.40	61.73	61.78	68.22	66.60	65.58	77.71	61.38	45.77
149.50	61.56	61.67	68.25	66.64	68.11	85.43	62.55	45.89
149.60	61.84	61.95	69.07	67.29	70.85	89.68	63.69	46.35
149.70	62.17	62.28	70.07	67.75	71.22	84.81	63.51	46.69
149.80	62.17	62.28	69.46	67.43	67.75	80.18	61.58	46.51
149.80	61.84	61.95	68.53	66.68	65.89	77.57	62.30	46.26
149.90	61.84	61.95	68.75	66.93	68.72	85.18	64.39	46.79
150.00	62.28	62.39	69.74	67.74	71.83	89.93	65.89	47.68
150.10	62.83	62.94	70.83	68.40	72.22	85.46	64.79	47.98
150.20	62.88	62.99	70.33	68.10	68.75	80.88	62.65	47.51
150.20	62.61	62.72	69.45	67.51	66.78	77.81	63.42	47.22
150.30	62.55	62.66	69.50	67.57	69.04	85.01	63.97	47.44
150.40	62.83	62.94	70.17	68.22	71.93	90.38	64.79	47.98
150.50	63.22	63.33	71.32	68.85	72.76	86.10	64.64	48.38
150.50	63.27	63.38	70.89	68.60	69.35	81.51	62.60	47.72
150.60	62.94	62.99	69.81	67.82	67.03	78.02	63.38	47.27
150.70	62.72	62.88	69.75	67.71	69.17	84.85	64.35	47.55
150.80	63.05	63.22	70.58	68.40	72.40	90.53	66.43	48.50
150.90	63.60	63.71	71.82	69.17	73.54	86.56	66.07	48.94
150.90	63.82	63.88	71.57	69.11	70.43	82.04	64.35	48.97
151.00	63.60	63.71	70.60	68.43	67.82	78.35	64.42	48.42
151.10	63.27	63.38	70.22	68.11	69.51	84.57	64.61	48.17
151.20	63.44	63.55	70.93	68.69	72.82	90.71	66.88	48.96

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
151.30	63.99	64.10	72.43	69.54	74.42	87.10	67.51	49.60
151.30	64.26	64.38	72.19	69.57	71.06	82.67	64.38	49.35
151.40	63.93	64.04	70.97	68.76	67.99	78.58	63.53	48.40
151.50	63.71	63.82	70.76	68.61	69.79	84.49	64.36	48.62
151.60	63.93	64.04	71.43	69.18	72.97	91.01	66.32	49.01
151.60	64.32	64.43	72.64	69.81	74.52	87.60	66.79	49.58
151.70	64.49	64.60	72.47	69.79	71.50	83.06	64.86	49.58
151.80	64.21	64.32	71.25	68.97	68.32	78.76	64.32	48.85
151.90	63.88	63.99	70.86	68.58	69.78	84.04	64.96	48.69
152.00	64.10	64.21	71.64	69.22	73.29	90.82	67.54	49.63
152.00	64.60	64.71	72.86	69.97	74.74	87.94	66.54	49.69
152.10	64.60	64.71	72.47	69.78	71.50	83.35	63.83	49.17
152.20	64.26	64.38	71.42	69.03	68.54	78.91	64.72	49.01
152.30	64.15	64.26	71.36	68.93	70.11	83.61	65.58	49.33
152.30	64.43	64.54	72.03	69.56	73.46	90.89	67.17	50.06
152.40	64.98	65.09	73.51	70.47	75.57	88.67	67.72	50.69
152.50	65.26	65.37	73.50	70.56	72.82	84.25	65.64	50.46
152.60	64.93	65.04	72.18	69.75	69.14	79.64	65.13	49.51
152.70	64.43	64.54	71.47	69.14	69.93	83.36	64.99	49.17
152.70	64.43	64.54	71.81	69.50	72.96	90.46	66.56	49.70
152.80	64.71	64.87	72.88	70.04	74.93	88.51	66.95	49.83
152.90	64.87	64.98	72.96	70.11	72.50	84.14	64.89	49.71
153.00	64.60	64.71	71.86	69.36	68.97	79.68	64.36	48.99
153.10	64.04	64.15	71.04	68.63	69.28	82.63	63.64	48.33
153.10	63.93	64.04	71.43	69.00	72.79	89.97	66.76	49.10
153.20	64.49	64.60	73.03	69.92	75.47	88.88	68.71	50.19
153.30	65.04	65.15	73.63	70.33	73.43	84.74	66.56	50.58
153.40	65.04	65.15	72.68	69.86	69.81	80.28	65.58	50.15
153.40	64.82	64.93	72.13	69.51	70.25	82.86	65.28	49.83
153.50	64.82	64.93	72.24	69.82	72.89	90.32	65.99	49.83
153.60	64.98	65.15	73.10	70.31	74.97	89.47	66.53	49.94
153.70	65.09	65.20	73.24	70.32	73.04	84.79	64.94	49.94
153.80	64.82	64.87	72.04	69.61	69.17	80.21	63.77	49.27
153.80	64.26	64.32	71.17	68.82	69.19	81.76	64.00	48.62
153.90	64.15	64.26	71.47	69.11	72.18	89.50	65.50	48.97
154.00	64.43	64.54	72.42	69.68	74.40	89.43	65.42	48.99
154.10	64.49	64.60	72.64	69.74	72.61	84.81	63.64	48.97
154.10	64.32	64.43	71.81	69.14	69.10	80.36	63.56	48.89
154.20	64.10	64.21	71.36	68.75	69.22	81.29	64.65	48.92
154.30	64.26	64.38	71.81	69.22	72.35	89.18	65.86	49.53
154.40	64.76	64.87	73.07	70.13	75.18	90.26	67.15	50.31
154.50	65.15	65.26	73.63	70.50	73.77	85.72	65.35	50.26
154.50	64.93	65.04	72.40	69.81	69.64	81.04	63.28	49.24
154.60	64.26	64.38	71.19	68.85	68.82	80.92	63.85	48.47
154.70	64.04	64.15	71.25	68.93	71.62	88.54	65.04	48.87
154.80	64.26	64.43	72.17	69.54	74.04	89.98	65.54	49.12
154.90	64.49	64.65	72.72	69.82	73.20	85.45	64.63	49.26
154.90	64.38	64.43	71.78	69.23	69.24	80.92	62.19	48.65
155.00	63.82	63.93	70.75	68.42	68.32	80.40	63.06	47.94
155.10	63.55	63.71	70.85	68.47	71.27	87.99	65.09	48.39
155.20	63.99	64.10	72.08	69.36	74.36	90.29	67.17	49.42
155.20	64.54	64.71	73.16	69.93	73.93	85.85	66.00	49.85
155.30	64.65	64.76	72.40	69.65	70.10	81.47	63.81	49.49
155.40	64.32	64.43	71.47	68.97	68.88	80.36	64.00	48.80
155.50	64.21	64.32	71.42	69.04	71.33	88.09	64.68	48.77

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
155.60	64.32	64.43	71.97	69.57	73.57	90.86	64.88	48.97
155.60	64.49	64.60	72.69	69.79	73.35	86.03	64.60	48.97
155.70	64.38	64.43	71.83	69.29	69.69	81.44	62.89	48.65
155.80	63.82	63.93	70.64	68.47	68.04	79.61	63.24	48.03
155.90	63.60	63.71	70.65	68.43	70.57	87.16	64.42	48.15
155.90	63.77	63.88	71.32	69.03	73.25	90.85	65.01	48.23
156.00	63.99	64.10	72.08	69.36	73.07	86.15	64.01	48.28
156.10	63.93	64.04	71.59	69.00	69.67	81.56	63.17	48.49
156.20	63.77	63.82	70.79	68.45	68.19	79.27	64.38	48.47
156.30	63.77	63.88	70.93	68.67	70.85	86.81	65.36	48.85
156.30	64.15	64.26	71.92	69.40	73.75	91.39	66.54	49.51
156.40	64.65	64.76	73.02	70.14	74.24	86.97	66.34	49.67
156.50	64.65	64.76	72.29	69.78	70.43	82.35	63.97	49.22
156.60	64.10	64.21	70.86	68.75	67.99	79.18	63.78	48.31
156.70	63.77	63.88	70.64	68.60	70.29	86.37	65.19	48.32
156.70	63.93	64.04	71.25	69.13	72.97	91.27	65.79	48.67
156.80	64.15	64.26	72.14	69.53	73.47	86.75	65.50	48.81
156.90	64.10	64.21	71.47	69.17	69.89	82.15	62.72	48.31
157.00	63.60	63.71	70.38	68.25	67.49	78.88	63.10	47.44
157.00	63.27	63.38	70.15	68.11	69.79	85.81	64.88	47.90
157.10	63.55	63.66	71.04	68.81	72.97	91.32	67.25	48.80
157.20	64.10	64.21	72.36	69.60	73.97	87.13	66.83	49.37
157.30	64.26	64.38	71.92	69.46	70.44	82.50	64.11	49.01
157.40	63.99	64.10	70.81	68.75	67.93	78.99	64.01	48.37
157.40	63.88	63.93	70.73	68.68	70.03	85.85	65.36	48.49
157.50	64.10	64.21	71.25	69.29	72.79	91.78	66.67	49.10
157.60	64.38	64.49	72.31	69.81	73.96	87.56	66.93	49.12
157.70	64.43	64.54	71.86	69.56	70.61	82.83	64.64	48.90
157.80	63.88	63.99	70.36	68.53	67.47	78.71	64.00	47.81
157.80	63.38	63.49	69.88	68.15	69.01	84.94	64.29	47.58
157.90	63.38	63.49	70.26	68.53	71.92	91.25	65.68	47.74
158.00	63.60	63.71	71.32	69.04	73.14	87.42	65.56	48.06
158.10	63.60	63.71	70.99	68.80	69.96	82.72	63.72	47.97
158.10	63.27	63.38	69.88	68.05	67.10	78.29	63.90	47.55
158.20	63.11	63.22	69.78	67.94	68.97	84.25	65.24	47.99
158.30	63.38	63.49	70.32	68.58	71.97	91.17	66.47	48.37
158.40	63.82	63.93	71.64	69.39	73.64	87.97	67.08	48.81
158.50	63.99	64.10	71.36	69.31	70.56	83.18	64.89	48.55
158.50	63.60	63.66	70.01	68.41	67.12	78.50	64.22	47.68
158.60	63.22	63.27	69.58	67.97	68.54	83.97	65.58	47.64
158.70	63.16	63.27	69.78	68.31	71.19	90.86	66.60	47.78
158.80	63.44	63.55	70.88	68.88	72.93	87.78	66.97	48.24
158.80	63.49	63.55	70.51	68.72	69.82	82.94	63.58	47.66
158.90	62.99	63.11	69.33	67.83	66.54	78.28	63.28	46.74
159.00	62.61	62.72	68.89	67.39	67.86	83.14	64.82	47.14
159.10	62.66	62.77	69.29	67.82	70.71	90.47	66.46	47.55
159.20	63.05	63.16	70.61	68.61	72.88	87.83	67.63	48.12
159.20	63.38	63.49	70.72	68.82	70.29	83.20	65.15	48.19
159.30	63.16	63.22	69.47	68.10	66.68	78.33	63.69	47.23
159.40	62.72	62.83	68.83	67.63	67.46	82.72	64.14	46.99
159.50	62.72	62.83	69.06	67.93	70.21	90.36	66.33	47.33
159.60	63.05	63.16	70.22	68.61	72.38	88.09	67.28	47.67
159.60	63.05	63.16	69.94	68.43	69.53	82.88	64.22	47.33
159.70	62.61	62.66	68.58	67.54	65.96	77.96	63.40	46.32
159.80	62.06	62.17	67.96	66.89	66.46	81.64	64.00	46.22

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
159.90	61.95	62.06	68.07	67.15	69.28	89.43	65.64	46.46
159.90	62.22	62.33	69.18	67.81	71.61	87.89	66.63	46.83
160.00	62.39	62.50	69.35	67.85	69.26	82.83	64.43	46.83
160.10	62.06	62.17	68.13	67.08	65.61	77.88	63.22	46.05
160.20	61.73	61.84	67.75	66.63	66.47	80.79	65.25	46.41
160.30	61.95	62.06	68.13	67.28	69.39	89.00	66.43	46.99
160.30	62.33	62.44	69.24	67.97	71.56	88.18	67.35	47.30
160.40	62.50	62.61	69.23	68.07	69.37	83.04	64.89	47.03
160.50	62.11	62.22	67.96	67.19	65.60	77.93	63.81	46.19
160.60	61.50	61.61	67.01	66.40	65.33	80.05	63.90	45.65
160.60	61.23	61.34	66.85	66.43	67.67	88.06	64.93	45.55
160.70	61.23	61.34	67.58	66.86	69.90	87.45	65.81	45.64
160.80	61.28	61.39	67.75	66.86	68.00	82.19	63.15	45.35
160.90	60.90	61.01	66.57	66.11	64.28	77.26	61.44	44.60
161.00	60.34	60.40	65.71	65.28	64.09	78.89	62.62	44.18
161.00	60.18	60.29	65.92	65.46	66.96	87.21	64.93	44.65
161.10	60.46	60.57	67.04	66.22	69.60	87.22	66.69	45.38
161.20	60.90	61.01	67.60	66.60	68.07	82.07	64.51	45.56
161.30	60.84	60.95	66.57	66.18	64.44	77.22	62.19	44.98
161.40	60.46	60.51	65.76	65.51	63.92	78.29	62.99	44.74
161.40	60.34	60.46	65.74	65.68	66.56	86.77	64.93	45.18
161.50	60.62	60.73	66.58	66.32	68.75	87.38	65.29	45.55
161.60	60.68	60.73	66.61	66.29	67.20	81.83	63.04	44.96
161.70	60.18	60.29	65.29	65.46	63.15	76.57	59.94	43.95
161.70	59.52	59.57	64.32	64.58	62.53	76.94	61.71	43.69
161.80	59.24	59.30	64.21	64.61	65.03	85.50	62.92	43.67
161.90	59.41	59.46	65.06	65.14	67.40	86.87	63.78	43.93
162.00	59.52	59.63	65.47	65.35	66.18	81.43	61.99	43.81
162.10	59.30	59.41	64.53	64.75	62.72	76.31	60.10	43.22
162.10	58.96	59.08	63.90	64.24	62.17	76.07	62.40	43.42
162.20	58.91	59.02	64.03	64.43	64.89	84.68	63.74	43.53
162.30	59.19	59.30	64.81	65.07	67.27	86.86	64.90	43.90
162.40	59.52	59.63	65.42	65.47	66.58	81.33	64.10	44.42
162.50	59.46	59.57	64.47	65.04	62.90	76.21	61.24	44.01
162.50	59.02	59.13	63.46	64.23	61.60	75.43	61.85	43.83
162.60	58.80	58.91	63.40	64.19	63.88	84.04	62.85	44.05
162.70	58.85	58.91	63.77	64.65	65.72	86.42	62.79	43.72
162.80	58.80	58.91	64.03	64.81	64.96	80.81	61.01	43.16
162.80	58.46	58.57	63.13	64.22	61.62	75.57	59.01	42.47
162.90	57.85	57.96	62.01	63.31	60.10	74.28	59.90	42.20
163.00	57.57	57.62	61.99	63.26	62.63	82.82	62.13	42.51
163.10	57.85	57.96	63.03	63.99	65.61	86.18	64.89	43.35
163.20	58.35	58.46	63.81	64.61	65.19	80.54	63.28	43.85
163.20	58.35	58.46	63.08	64.25	61.78	75.39	60.57	43.15
163.30	57.96	58.07	62.06	63.55	60.15	73.60	61.15	42.85
163.40	57.85	57.90	62.04	63.53	62.40	82.22	62.41	43.32
163.50	58.07	58.18	62.63	64.08	64.81	86.13	63.71	43.83
163.50	58.29	58.41	63.13	64.43	64.51	80.32	62.44	43.63
163.60	57.96	58.07	61.90	63.74	60.49	74.82	58.25	42.22
163.70	57.06	57.12	60.42	62.69	58.32	72.26	58.48	41.38
163.80	56.50	56.62	60.17	62.53	60.53	80.60	59.80	41.47
163.90	56.62	56.73	60.74	62.90	62.85	85.15	61.05	42.01
163.90	56.84	56.95	61.53	63.30	63.19	79.51	61.08	41.97
164.00	56.90	57.01	61.06	63.10	60.24	74.40	59.40	41.94
164.10	56.73	56.84	60.40	62.64	58.71	71.69	60.72	42.49

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
164.20	56.78	56.90	60.56	62.81	61.26	80.07	62.17	43.51
164.30	57.23	57.34	61.28	63.51	63.64	85.32	63.92	45.28
164.30	57.79	57.85	62.32	64.22	64.33	79.89	64.19	45.82
164.40	57.96	58.01	61.69	64.07	60.98	74.62	61.03	44.67
164.50	57.40	57.51	60.33	63.06	58.40	71.29	60.24	43.60
164.60	56.84	56.95	59.83	62.56	59.96	79.25	59.87	43.03
164.60	56.56	56.67	59.72	62.72	61.49	84.40	60.64	42.85
164.70	56.50	56.62	60.17	63.03	61.83	78.85	59.71	43.05
164.80	56.28	56.39	59.56	62.69	58.83	73.54	57.37	42.03
164.90	55.72	55.83	58.44	61.76	56.67	69.92	58.49	41.73
165.00	55.55	55.61	58.64	61.69	59.33	77.98	60.58	42.51
165.00	55.89	56.00	59.51	62.35	62.14	84.01	63.92	44.64
165.10	56.73	56.84	60.96	63.44	63.42	79.14	64.31	48.22
165.20	57.29	57.34	60.87	63.72	60.71	73.97	61.59	47.78
165.30	57.34	57.40	60.13	63.34	58.66	70.15	62.26	47.23
165.30	57.34	57.45	60.22	63.31	60.74	78.00	62.90	47.34
165.40	57.73	57.85	60.65	63.94	62.76	84.32	64.33	48.35
165.50	58.07	58.13	61.30	64.43	63.41	79.29	63.16	49.19
165.60	57.73	57.85	60.26	63.88	59.81	73.64	59.26	46.94
165.70	57.01	57.12	58.87	62.79	57.10	69.32	59.76	45.94
165.70	56.50	56.62	58.53	62.42	58.71	76.65	60.40	46.14
165.80	56.50	56.62	58.88	62.78	61.03	83.22	62.51	46.85
165.90	56.78	56.84	59.69	63.28	61.97	78.65	62.15	48.43
166.00	56.84	56.90	59.41	63.21	59.42	73.26	60.36	47.51
166.10	56.73	56.78	58.67	62.80	57.13	68.94	61.22	47.13
166.10	56.73	56.84	58.87	62.83	59.28	76.00	62.72	48.05
166.20	57.23	57.34	59.53	63.69	62.05	83.22	65.86	50.40
166.30	58.07	58.13	60.85	64.74	63.47	79.20	65.78	53.31
166.40	58.41	58.46	60.50	64.89	60.74	73.83	62.88	51.46
166.40	58.07	58.13	59.27	64.06	57.61	69.11	62.11	49.99
166.50	57.51	57.57	58.71	63.44	58.60	75.59	61.29	49.87
166.60	57.29	57.40	58.57	63.49	60.40	82.67	62.24	50.19
166.70	57.40	57.51	59.31	64.03	61.69	78.57	62.60	52.31
166.80	57.45	57.51	59.11	63.94	59.40	73.17	60.88	50.42
166.80	57.18	57.29	58.17	63.33	56.69	68.36	61.33	49.38
166.90	56.90	57.01	58.06	62.99	58.24	74.50	62.01	50.15
167.00	57.18	57.23	58.60	63.55	61.45	82.09	65.42	51.54
167.10	57.90	57.96	59.94	64.69	62.96	78.86	66.14	55.59
167.10	58.46	58.52	60.05	65.25	60.85	73.53	64.33	54.66
167.20	58.63	58.68	59.31	64.98	58.11	68.69	63.97	53.35
167.30	58.63	58.68	59.31	64.80	59.43	74.49	64.32	54.48
167.40	58.80	58.85	59.42	65.15	61.75	82.26	65.54	55.00
167.50	59.02	59.13	60.13	65.76	62.85	79.18	65.18	57.17
167.50	59.02	59.13	59.72	65.64	60.35	73.49	62.64	54.90
167.60	58.57	58.63	58.40	64.81	56.91	68.19	61.64	52.94
167.70	58.01	58.07	57.96	64.13	57.84	73.18	61.88	53.87
167.80	58.07	58.18	58.49	64.57	61.12	81.32	65.29	54.99
167.90	58.63	58.68	59.60	65.47	62.61	78.86	65.64	58.33
167.90	58.91	59.02	59.56	65.72	60.42	73.38	63.31	56.36
168.00	58.85	58.96	58.76	65.29	57.62	68.32	63.51	54.65
168.10	58.74	58.85	58.60	65.06	58.71	72.61	64.03	55.67
168.20	59.13	59.19	59.36	65.79	61.97	81.11	68.15	58.04
168.20	60.01	60.12	60.83	67.13	64.24	79.47	69.56	62.94
168.30	60.62	60.73	60.81	67.61	61.90	74.01	65.64	60.60
168.40	60.46	60.51	59.61	66.93	58.46	68.82	64.13	57.72

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
168.50	60.01	60.07	59.11	66.30	58.99	72.42	64.04	59.11
168.60	59.90	60.01	59.19	66.53	61.06	80.67	65.26	59.89
168.60	60.23	60.29	60.01	67.20	62.96	79.22	66.10	63.31
168.70	60.46	60.57	60.21	67.50	61.33	73.76	64.50	61.14
168.80	60.46	60.51	59.39	67.11	58.35	68.72	63.87	58.51
168.90	60.23	60.29	59.22	66.65	59.16	71.67	65.49	60.19
169.00	60.40	60.46	59.73	67.12	62.16	80.25	68.36	61.31
169.00	61.06	61.17	61.03	68.24	64.50	79.61	70.16	66.68
169.10	61.67	61.73	61.33	68.86	62.81	74.14	67.62	64.75
169.20	61.78	61.84	60.48	68.61	59.68	69.07	66.33	61.74
169.30	61.78	61.84	60.37	68.31	60.25	71.53	67.56	63.90
169.30	62.00	62.06	60.65	68.77	62.91	80.25	69.08	65.33
169.40	62.50	62.55	61.65	69.68	64.94	80.13	69.91	69.53
169.50	62.83	62.94	61.85	70.04	63.31	74.51	67.58	66.97
169.60	62.66	62.72	60.63	69.48	59.66	69.24	64.94	63.06
169.70	62.11	62.17	59.91	68.69	59.56	70.79	65.44	64.67
169.70	62.06	62.11	60.36	68.94	62.91	79.60	68.87	66.34
169.80	62.66	62.77	61.56	70.00	64.96	80.05	70.36	70.92
169.90	63.22	63.27	61.98	70.57	63.67	74.52	68.46	68.79
170.00	63.27	63.33	61.24	70.26	60.55	69.39	66.86	64.96
170.00	63.05	63.16	60.81	69.76	60.40	70.43	67.89	66.07
170.10	63.22	63.27	61.30	70.15	63.73	79.17	71.22	68.28
170.20	64.04	64.10	62.63	71.44	66.31	80.42	72.90	74.38
170.30	64.71	64.76	63.07	72.16	65.04	75.03	70.53	72.47
170.40	64.76	64.87	62.24	71.88	61.67	69.93	68.19	68.04
170.40	64.38	64.43	61.50	71.17	61.14	70.22	68.57	69.42
170.50	64.21	64.32	61.64	71.28	63.72	78.94	69.56	70.73
170.60	64.54	64.60	62.34	72.00	65.56	80.47	70.37	75.21
170.70	64.93	64.98	62.84	72.56	64.76	74.89	69.37	73.46
170.80	64.98	65.09	62.13	72.28	61.66	69.79	67.99	69.36
170.80	64.76	64.82	61.66	71.67	61.13	69.54	69.29	70.40
170.90	64.71	64.82	62.03	71.82	64.28	78.29	71.25	71.56
171.00	65.31	65.42	63.26	72.85	67.15	80.82	74.08	77.27
171.10	66.09	66.14	64.06	73.70	66.60	75.42	72.93	76.73
171.10	66.42	66.47	63.48	73.61	63.30	70.47	70.58	72.28
171.20	66.25	66.31	62.81	73.08	62.45	69.52	71.19	73.31
171.30	66.14	66.25	62.96	73.18	65.08	78.22	72.83	75.11
171.40	66.64	66.69	63.82	74.13	67.38	81.21	73.47	79.90
171.50	67.08	67.19	64.39	74.76	66.82	75.72	72.64	78.75
171.50	67.14	67.19	63.52	74.37	63.33	70.47	70.08	73.76
171.60	66.75	66.80	62.74	73.69	62.10	68.96	70.82	74.49
171.70	66.64	66.69	63.08	73.76	65.11	77.63	72.86	76.76
171.80	67.19	67.25	64.20	74.79	67.99	81.32	74.88	81.46
171.80	67.80	67.91	65.00	75.42	67.65	75.99	73.94	80.89
171.90	68.02	68.07	64.40	75.25	64.50	70.91	71.90	75.82
172.00	67.91	67.96	63.96	74.71	63.26	69.04	72.74	75.71
172.10	67.96	68.02	64.18	74.89	66.09	77.61	74.35	77.81
172.20	68.58	68.63	65.31	76.04	69.25	81.90	77.03	83.93
172.20	69.25	69.30	66.05	76.83	68.97	76.53	75.54	84.01
172.30	69.42	69.47	65.37	76.64	65.52	71.51	73.04	78.40
172.40	68.97	69.03	64.30	75.83	63.42	68.87	72.76	78.04
172.50	68.69	68.75	64.41	75.67	65.97	77.03	73.69	80.06
172.60	69.03	69.08	65.20	76.55	68.69	81.73	75.32	84.97
172.60	69.53	69.64	65.97	77.32	68.78	76.57	74.47	85.32
172.70	69.75	69.86	65.57	77.18	65.83	71.53	73.14	80.04

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
172.80	69.58	69.64	64.75	76.57	63.93	68.61	73.81	79.25
172.90	69.53	69.58	65.09	76.51	66.71	76.72	75.31	81.06
172.90	70.03	70.14	66.31	77.53	70.29	82.14	79.18	86.33
173.00	70.93	70.98	67.58	78.57	71.10	77.42	79.02	88.19
173.10	71.32	71.43	67.04	78.63	67.65	72.39	75.82	82.69
173.20	71.15	71.15	65.97	78.04	65.21	69.00	75.61	81.46
173.30	70.81	70.93	66.03	77.89	67.54	76.54	76.44	83.72
173.30	71.04	71.09	66.62	78.62	70.20	82.16	77.59	88.13
173.40	71.49	71.54	67.47	79.43	70.70	77.36	77.35	89.49
173.50	71.60	71.65	66.79	79.29	67.34	72.20	74.79	83.63
173.60	71.15	71.21	65.61	78.31	64.67	68.42	74.43	81.83
173.70	70.76	70.81	65.49	77.98	66.89	75.58	75.42	84.40
173.70	71.04	71.15	66.54	78.82	70.33	81.75	78.56	89.07
173.80	71.88	71.93	67.87	79.94	71.65	77.58	79.54	91.63
173.90	72.38	72.49	67.73	80.22	68.78	72.67	77.57	85.96
174.00	72.38	72.44	66.91	79.59	66.15	68.77	77.38	83.31
174.00	72.21	72.27	66.97	79.25	68.24	75.63	77.90	85.60
174.10	72.55	72.66	67.85	80.14	71.68	82.21	80.92	90.89
174.20	73.22	73.27	68.94	81.09	72.66	78.13	80.61	93.94
174.30	73.50	73.55	68.44	81.07	69.31	73.14	77.38	87.61
174.40	73.11	73.16	67.14	80.26	66.20	68.71	76.82	84.71
174.40	72.66	72.72	67.03	79.87	68.02	74.94	77.14	87.29
174.50	72.88	72.94	67.76	80.58	71.04	81.81	79.17	91.61
174.60	73.33	73.44	68.63	81.40	72.07	78.08	78.61	94.83
174.70	73.44	73.50	68.04	81.31	68.97	73.00	76.38	88.57
174.70	73.16	73.22	67.08	80.55	66.20	68.50	77.30	85.19
174.80	72.99	72.99	67.23	80.18	68.27	74.36	78.39	87.60
174.90	73.33	73.39	68.27	80.96	71.99	81.65	81.93	91.79
175.00	74.17	74.22	69.72	81.97	74.00	78.72	83.11	96.79
175.10	74.73	74.78	69.56	82.05	71.10	73.84	80.15	90.91
175.10	74.56	74.62	68.39	81.28	67.62	69.19	79.04	86.82
175.20	74.11	74.17	68.11	80.96	68.86	74.11	79.02	89.47
175.30	74.11	74.17	68.55	81.44	71.88	81.46	80.65	93.15
175.40	74.62	74.67	69.72	82.42	73.89	78.90	82.18	97.89
175.50	75.12	75.18	69.89	82.86	71.49	74.06	80.88	92.38
175.50	75.01	75.06	68.72	82.08	67.90	69.29	79.65	87.93
175.60	74.39	74.45	68.00	81.18	68.41	73.42	77.83	90.17
175.70	74.22	74.28	68.33	81.49	71.54	80.87	80.16	93.43
175.80	74.73	74.84	69.69	82.74	73.86	78.96	82.14	99.11
175.80	75.23	75.29	69.72	83.09	71.43	73.99	79.96	93.08
175.90	75.12	75.23	68.69	82.40	68.04	69.34	79.54	87.82
176.00	74.84	74.90	68.55	81.74	69.19	72.72	80.34	90.10
176.10	75.12	75.18	69.44	82.44	73.05	80.89	83.54	94.72
176.20	75.73	75.85	70.70	83.43	75.04	79.43	84.26	100.75
176.20	76.18	76.24	70.62	83.50	72.44	74.51	81.33	94.68
176.30	75.96	76.01	69.39	82.97	68.69	69.80	79.91	88.86
176.40	75.51	75.57	69.06	82.47	69.47	72.34	80.75	91.85
176.50	75.62	75.68	69.72	82.94	72.77	80.43	82.83	95.79
176.50	76.13	76.18	70.68	83.62	74.67	79.53	82.91	101.69
176.60	76.29	76.41	70.43	83.64	72.24	74.38	80.28	95.64
176.70	75.96	76.01	69.06	83.09	68.36	69.63	78.62	89.11
176.80	75.46	75.51	68.67	82.41	68.80	71.58	79.58	91.13
176.90	75.34	75.46	69.19	82.63	72.24	79.82	82.42	94.04
176.90	75.90	75.96	70.56	83.64	75.01	79.65	84.49	101.06
177.00	76.57	76.69	71.10	83.61	73.69	75.01	83.56	96.67

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
177.10	76.69	76.74	70.18	83.22	69.81	70.35	80.81	90.07
177.20	76.24	76.29	69.56	82.77	69.64	71.40	81.13	92.22
177.30	76.07	76.13	69.84	83.02	72.60	79.65	82.34	95.49
177.30	76.41	76.52	70.82	83.63	74.93	80.10	83.64	101.75
177.40	76.91	76.96	71.29	83.56	73.67	75.14	82.83	97.72
177.50	76.91	76.96	70.18	83.32	69.75	70.49	80.08	90.71
177.60	76.24	76.29	69.17	82.77	68.91	70.61	79.50	92.47
177.60	75.85	75.90	69.22	82.80	71.49	78.82	80.23	94.94
177.70	76.01	76.07	70.11	83.57	74.17	79.94	82.37	101.01
177.80	76.52	76.63	70.75	83.79	73.47	75.13	82.04	97.86
177.90	76.63	76.63	69.87	83.37	69.67	70.53	79.43	90.32
178.00	76.24	76.29	69.34	82.89	69.25	70.26	81.04	91.64
178.00	76.18	76.24	69.95	83.08	72.72	78.71	83.82	95.35
178.10	76.74	76.80	71.18	83.75	75.46	80.76	84.98	101.71
178.20	77.31	77.43	71.78	83.63	74.60	75.93	83.78	99.06
178.30	77.37	77.43	70.81	83.60	70.66	71.30	80.63	91.42
178.40	76.85	76.91	69.96	83.08	69.64	70.17	81.40	92.75
178.40	76.69	76.74	70.29	83.15	72.60	78.51	83.21	96.00
178.50	76.96	77.08	71.15	83.64	75.04	81.10	83.43	101.71
178.60	77.20	77.31	71.28	83.87	73.93	75.90	81.60	99.28
178.70	76.91	76.96	70.01	83.50	69.86	71.01	78.88	91.29
178.70	76.35	76.41	69.23	82.94	68.69	69.58	80.13	91.42
178.80	76.13	76.18	69.67	82.90	72.04	77.96	83.08	93.96
178.90	76.57	76.63	70.90	83.76	75.18	81.29	84.72	100.22
179.00	77.25	77.31	71.80	84.02	75.19	76.54	84.63	99.55
179.10	77.49	77.54	71.20	83.77	71.51	71.94	81.86	92.45
179.10	77.02	77.08	70.24	83.31	69.75	69.64	81.91	92.24
179.20	76.80	76.85	70.46	83.39	72.54	77.93	83.06	95.28
179.30	77.14	77.20	71.47	83.90	75.46	82.03	84.69	100.94
179.40	77.72	77.77	72.33	84.25	75.54	77.19	84.50	100.59
179.40	77.72	77.77	71.38	84.07	71.57	72.35	81.24	92.93
179.50	76.96	77.02	69.90	83.31	69.08	69.22	80.31	91.94
179.60	76.29	76.29	69.48	82.92	70.95	76.96	79.79	94.01
179.70	76.24	76.29	70.18	83.67	74.06	81.65	82.51	99.06
179.80	76.74	76.80	71.29	84.29	74.90	77.08	83.78	99.97
179.80	77.08	77.14	70.90	84.09	71.60	72.42	81.71	92.89
179.90	76.85	76.91	70.12	83.50	69.58	69.29	82.09	91.15
180.00	76.57	76.63	70.34	83.28	72.33	77.09	83.69	93.97
180.10	76.91	77.02	71.38	84.13	75.49	82.53	85.43	99.32
180.20	77.54	77.60	72.43	84.49	76.04	78.15	85.18	100.50
180.20	77.72	77.77	71.83	84.25	72.41	73.32	82.26	93.35
180.30	77.20	77.31	70.55	83.75	69.68	69.57	81.35	91.36
180.40	76.63	76.69	70.23	83.22	71.43	76.79	81.26	93.61
180.50	76.57	76.63	70.62	83.76	74.17	82.42	82.50	98.22
180.50	76.80	76.85	71.24	84.47	74.61	77.93	81.86	99.69
180.60	76.57	76.69	70.25	84.04	70.79	72.90	78.67	92.07
180.70	76.01	76.07	69.11	83.03	68.24	68.89	79.36	89.42
180.80	75.73	75.85	69.47	82.78	71.07	76.19	82.38	91.85
180.90	76.13	76.18	70.62	83.62	74.73	82.59	85.14	96.71
180.90	76.80	76.85	71.85	84.53	75.85	78.71	84.95	99.36
181.00	77.08	77.14	71.52	84.39	72.61	74.00	82.40	92.89
181.10	76.74	76.80	70.40	83.69	69.58	69.71	81.72	89.79
181.20	76.29	76.41	70.32	83.22	71.40	76.32	81.73	92.31
181.20	76.46	76.52	71.07	83.90	74.61	83.10	83.85	96.70
181.30	76.85	76.91	71.90	84.65	75.51	79.38	83.46	99.33

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
181.40	76.80	76.85	71.12	84.41	71.93	74.24	80.23	92.36
181.50	76.13	76.18	69.56	83.20	68.52	69.53	79.56	88.61
181.60	75.29	75.34	69.00	82.13	69.64	75.19	78.73	90.46
181.60	75.01	75.12	69.36	82.54	72.86	82.29	81.22	94.06
181.70	75.51	75.62	70.75	83.57	74.93	79.29	83.61	98.46
181.80	76.01	76.13	70.75	83.83	72.18	74.54	81.28	92.19
181.90	75.90	75.96	69.78	82.97	69.08	70.10	81.14	87.89
182.00	75.46	75.51	69.72	82.35	70.70	75.44	81.64	89.87
182.00	75.57	75.62	70.51	82.89	74.00	83.08	83.90	93.83
182.10	76.07	76.18	71.71	84.07	75.71	80.38	84.43	98.00
182.20	76.41	76.52	71.60	84.17	72.91	75.46	82.01	91.92
182.30	76.13	76.18	70.29	83.26	69.31	70.85	80.59	87.44
182.30	75.46	75.51	69.72	82.29	70.14	75.27	79.75	89.36
182.40	75.12	75.18	69.72	82.44	72.72	82.81	80.88	92.47
182.50	75.29	75.34	70.56	83.21	74.28	80.27	81.39	96.80
182.60	75.23	75.29	69.94	83.09	71.15	75.14	78.07	90.32
182.70	74.73	74.78	68.72	82.05	67.74	70.33	78.08	85.39
182.70	74.22	74.28	68.55	81.31	69.03	74.48	79.22	86.90
182.80	74.28	74.34	69.28	81.72	72.77	82.59	82.62	90.22
182.90	74.84	74.95	70.64	82.79	74.82	80.99	83.29	95.47
183.00	75.12	75.23	70.64	82.94	72.18	76.01	80.47	89.65
183.00	74.84	74.90	69.50	82.16	68.69	71.23	79.49	84.74
183.10	74.28	74.34	69.11	81.24	69.42	74.36	79.53	86.71
183.20	74.28	74.34	69.67	81.67	72.60	82.85	81.59	89.72
183.30	74.67	74.73	70.72	82.60	74.56	81.67	82.49	94.70
183.40	74.78	74.84	70.33	82.65	71.76	76.36	78.83	89.21
183.40	74.22	74.28	68.83	81.61	67.90	71.32	77.15	83.36
183.50	73.39	73.44	68.04	80.41	68.02	73.55	77.18	85.15
183.60	73.05	73.11	68.26	80.44	71.04	81.97	79.33	87.43
183.70	73.39	73.44	69.44	81.38	73.39	81.61	81.21	93.02
183.80	73.78	73.83	69.66	81.83	71.65	76.58	79.11	88.31
183.80	73.67	73.72	68.72	81.05	68.13	71.72	77.63	82.47
183.90	73.11	73.11	68.18	79.99	68.16	73.60	78.07	83.32
184.00	72.83	72.88	68.60	80.04	71.21	82.28	80.06	85.61
184.10	73.05	73.16	69.51	80.89	73.36	82.26	81.33	90.89
184.10	73.39	73.50	69.86	81.40	71.79	77.10	79.61	86.94
184.20	73.16	73.22	68.60	80.49	67.79	72.10	76.35	80.78
184.30	72.38	72.44	67.70	79.23	67.40	73.16	76.61	82.11
184.40	71.88	71.93	67.59	78.97	69.86	81.68	77.48	83.90
184.50	72.04	72.10	68.49	79.80	72.27	82.20	79.45	89.20
184.50	72.27	72.38	68.63	80.17	70.57	76.94	77.13	85.43
184.60	71.88	71.93	67.19	79.15	66.37	71.87	73.26	78.82
184.70	71.09	71.15	66.46	77.89	66.15	72.32	75.15	79.40
184.80	70.93	71.04	66.99	78.00	69.61	81.38	78.44	81.38
184.90	71.43	71.49	68.26	79.07	72.15	82.72	79.61	86.76
184.90	71.71	71.82	68.57	79.43	70.68	77.43	77.60	83.35
185.00	71.43	71.49	67.47	78.58	66.77	72.39	74.19	77.44
185.10	70.70	70.81	66.65	77.40	66.11	72.22	75.13	78.44
185.20	70.42	70.53	66.88	77.32	68.89	81.22	76.22	79.86
185.20	70.53	70.59	67.47	77.88	70.82	83.06	76.65	84.18
185.30	70.59	70.65	67.53	78.11	69.42	77.43	74.65	81.69
185.40	70.20	70.31	66.42	77.32	65.83	72.15	72.47	75.99
185.50	69.70	69.75	65.83	76.44	65.35	71.44	74.35	77.07
185.60	69.36	69.42	65.83	76.28	67.79	80.40	74.97	78.01
185.60	69.42	69.53	66.58	76.85	70.17	83.11	76.68	82.33

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
185.70	69.81	69.86	67.18	77.46	69.58	77.79	75.58	81.00
185.80	69.70	69.81	66.31	76.94	66.00	72.61	72.75	75.31
185.90	69.14	69.19	65.54	75.76	64.84	71.33	73.88	74.64
185.90	68.75	68.80	65.71	75.54	67.62	80.40	75.13	75.53
186.00	68.80	68.91	66.47	76.11	69.94	83.72	76.59	79.61
186.10	69.19	69.25	67.12	76.78	69.47	78.32	75.40	78.52
186.20	68.97	69.08	66.14	76.10	65.72	73.03	72.01	73.22
186.30	68.30	68.35	65.03	74.92	64.04	71.19	72.09	73.03
186.30	67.80	67.85	64.92	74.54	66.66	79.90	73.32	74.07
186.40	67.96	68.07	65.79	75.28	69.39	83.85	76.10	78.08
186.50	68.35	68.47	66.42	75.91	68.89	78.38	74.33	77.38
186.60	68.19	68.24	65.42	75.29	65.01	73.19	70.86	72.07
186.70	67.41	67.52	64.17	74.00	63.19	70.78	71.42	70.56
186.70	66.97	67.02	64.32	73.72	65.89	79.44	73.11	71.29
186.80	67.08	67.19	65.14	74.29	68.63	83.94	75.22	74.93
186.90	67.41	67.52	65.86	74.79	68.34	78.58	73.31	74.06
187.00	67.19	67.25	64.99	74.19	64.75	73.43	70.04	69.38
187.00	66.53	66.58	63.99	73.04	62.84	70.58	70.69	68.64
187.10	66.14	66.20	64.05	72.72	65.40	79.33	71.26	69.54
187.20	66.25	66.36	64.69	73.35	67.75	84.44	73.11	72.57
187.30	66.53	66.64	65.32	73.86	67.68	78.94	71.67	72.85
187.40	66.42	66.53	64.64	73.51	64.68	73.67	69.92	68.82
187.40	65.98	66.03	63.72	72.51	62.57	70.39	70.58	67.75
187.50	65.59	65.64	63.62	72.13	64.63	78.87	70.80	67.97
187.60	65.42	65.48	63.78	72.33	66.50	84.47	70.98	69.94
187.70	65.48	65.59	64.50	72.82	67.15	79.14	71.32	71.04
187.70	65.42	65.53	63.99	72.47	64.03	73.74	68.93	66.89
187.80	64.93	64.98	62.90	71.41	61.69	70.15	69.11	64.63
187.90	64.43	64.49	62.91	70.92	63.86	78.44	69.83	64.91
188.00	64.38	64.49	63.39	71.25	66.22	84.53	71.53	67.22
188.10	64.71	64.76	64.31	71.86	66.97	79.40	71.05	68.21
188.10	64.71	64.76	63.86	71.61	63.97	74.15	68.54	64.58
188.20	64.15	64.21	62.58	70.53	61.26	70.18	68.01	62.99
188.30	63.60	63.71	62.39	70.01	63.24	78.00	68.86	63.67
188.40	63.82	63.93	63.23	70.65	66.29	84.60	72.36	66.32
188.50	64.26	64.38	64.24	71.39	66.96	79.88	71.33	67.36
188.50	64.21	64.26	63.42	71.01	63.47	74.44	67.19	63.22
188.60	63.38	63.44	61.86	69.71	60.37	69.94	66.44	60.49
188.70	62.77	62.83	61.76	69.17	62.60	77.51	68.29	60.92
188.80	62.88	62.94	62.49	69.70	65.26	84.53	70.54	62.93
188.80	63.16	63.27	63.35	70.18	66.03	79.93	69.47	63.92
188.90	62.99	63.11	62.74	69.78	62.90	74.60	66.25	60.22
189.00	62.44	62.50	61.60	68.72	60.17	70.07	66.11	58.42
189.10	61.89	62.00	61.47	68.21	61.81	77.19	66.47	58.94
189.20	61.89	62.00	61.92	68.57	64.42	84.44	69.00	60.49
189.20	62.22	62.33	62.81	69.19	65.54	80.14	68.37	62.21
189.30	62.39	62.50	62.81	69.24	63.38	74.88	67.67	59.96
189.40	62.22	62.28	61.94	68.51	60.58	70.29	67.21	58.19
189.50	61.78	61.84	61.61	67.94	61.95	76.97	67.03	58.10
189.60	61.56	61.61	61.56	68.03	63.55	84.44	66.81	58.23
189.60	61.56	61.67	62.26	68.49	64.93	80.46	66.93	61.20
189.70	61.73	61.78	62.41	68.56	63.09	75.07	66.63	58.74
189.80	61.50	61.61	61.47	67.89	60.12	70.40	66.00	55.92
189.90	60.95	61.06	61.10	67.08	61.21	76.54	65.44	55.63
189.90	60.84	60.90	61.41	67.32	63.57	84.44	67.58	56.28

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
190.00	61.01	61.12	62.28	67.75	65.00	80.96	67.33	58.13
190.10	61.06	61.12	62.14	67.66	62.53	75.47	64.74	55.80
190.20	60.68	60.79	61.10	66.86	59.63	70.47	64.90	54.13
190.30	60.23	60.34	60.83	66.36	60.89	76.18	65.43	54.65
190.30	60.46	60.57	61.56	66.83	64.35	84.36	69.57	55.83
190.40	61.06	61.12	62.82	67.72	65.77	81.60	69.01	58.16
190.50	61.06	61.17	62.33	67.57	62.67	76.03	64.50	55.39
190.60	60.46	60.51	60.80	66.56	59.26	70.75	63.26	52.74
190.60	59.90	60.01	60.60	66.10	60.62	75.76	64.65	52.99
190.70	60.07	60.18	61.22	66.50	63.56	84.32	67.63	53.51
190.80	60.40	60.46	62.21	67.06	64.88	81.83	66.44	55.48
190.90	60.29	60.40	61.96	66.86	62.53	76.32	63.90	52.94
191.00	59.79	59.90	60.83	65.99	59.26	71.18	63.15	50.70
191.00	59.24	59.30	60.43	65.29	60.03	75.53	63.18	50.90
191.10	59.19	59.30	60.74	65.50	62.73	84.07	66.13	51.49
191.20	59.63	59.74	61.92	66.25	64.76	82.14	66.75	54.29
191.30	59.90	59.96	62.11	66.44	62.97	76.71	64.72	52.80
191.40	59.85	59.90	61.43	65.95	60.13	71.82	64.66	51.25
191.40	59.52	59.63	61.13	65.40	60.67	75.56	64.26	50.85
191.50	59.24	59.35	60.85	65.38	62.17	84.13	63.74	49.88
191.60	59.30	59.41	61.69	65.92	64.54	82.61	65.63	53.69
191.70	59.63	59.74	62.15	66.32	63.12	77.16	64.29	52.28
191.70	59.41	59.52	61.08	65.54	59.49	72.03	61.63	49.08
191.80	58.74	58.85	60.41	64.75	59.67	74.97	62.10	48.22
191.90	58.57	58.63	60.61	64.81	62.04	83.89	64.09	47.85
192.00	58.80	58.91	61.65	65.36	64.28	83.00	65.31	49.96
192.10	59.08	59.13	62.07	65.61	62.99	77.56	63.71	48.89
192.10	58.91	59.02	61.15	65.04	59.73	72.50	61.92	47.24
192.20	58.46	58.52	60.56	64.33	59.72	74.76	62.41	47.21
192.30	58.52	58.63	61.15	64.72	63.08	83.94	66.68	47.91
192.40	59.13	59.24	62.49	65.63	65.46	83.84	67.82	50.81
192.40	59.46	59.57	62.60	65.83	63.29	78.31	63.08	49.49
192.50	58.96	59.08	61.19	64.97	59.51	73.00	59.78	47.39
192.60	58.46	58.52	60.73	64.45	60.00	74.58	62.93	47.65
192.70	58.63	58.74	61.38	64.82	62.81	84.06	64.97	47.14
192.80	58.91	59.02	62.15	65.29	64.61	84.32	64.80	48.04
192.80	58.91	59.02	62.27	65.29	63.08	78.56	62.35	46.10
192.90	58.52	58.63	61.21	64.60	59.63	73.35	59.94	44.29
193.00	57.96	58.07	60.60	63.80	59.58	74.39	61.49	44.35
193.10	58.01	58.07	61.08	64.07	62.51	83.69	64.68	44.99
193.20	58.46	58.57	62.17	64.85	64.74	84.76	65.32	45.83
193.20	58.80	58.91	62.72	65.18	63.99	79.14	63.90	45.72
193.30	58.80	58.91	62.05	64.81	60.76	74.14	61.63	45.10
193.40	58.63	58.74	61.72	64.39	60.65	74.68	63.30	45.72
193.50	58.57	58.68	61.72	64.47	62.51	83.91	63.06	45.23
193.50	58.74	58.85	62.49	65.06	65.29	85.56	65.50	48.49
193.60	59.35	59.41	63.65	65.83	65.25	80.10	65.92	48.38
193.70	59.46	59.57	62.94	65.47	61.58	75.07	61.94	45.78
193.80	58.91	59.02	61.94	64.49	60.53	74.79	62.08	44.60
193.90	58.57	58.68	61.83	64.34	62.85	83.91	63.15	44.17
193.90	58.74	58.85	62.67	64.88	65.07	86.17	64.38	44.60
194.00	59.02	59.13	63.46	65.28	64.78	80.50	63.60	44.63
194.10	59.02	59.13	62.83	64.90	61.60	75.43	61.49	44.27
194.20	58.68	58.74	62.02	64.18	60.56	74.63	62.10	44.08
194.30	58.63	58.74	62.51	64.39	64.11	83.79	66.72	45.19

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
194.30	59.41	59.52	64.01	65.54	67.04	87.24	68.44	46.34
194.40	60.01	60.12	64.79	66.21	66.22	81.64	65.38	45.99
194.50	59.85	59.96	63.72	65.68	62.42	76.42	61.44	45.38
194.60	59.46	59.57	62.99	65.11	61.42	74.89	63.60	45.78
194.60	59.52	59.63	63.39	65.28	64.65	84.14	65.67	45.74
194.70	59.79	59.90	64.06	65.81	66.46	87.79	66.04	45.76
194.80	60.01	60.12	64.68	66.14	66.11	82.08	64.42	45.28
194.90	59.79	59.90	63.89	65.50	62.72	76.89	61.65	44.26
195.00	59.24	59.35	62.83	64.64	60.97	74.76	61.90	44.14
195.00	59.02	59.13	63.01	64.66	63.76	83.82	64.03	44.71
195.10	59.41	59.52	63.90	65.36	66.36	88.18	65.64	45.37
195.20	59.85	59.96	64.96	65.97	66.63	82.63	64.96	45.56
195.30	60.12	60.23	64.85	66.00	64.07	77.64	64.26	45.58
195.30	60.12	60.23	64.28	65.64	62.60	75.36	64.97	45.74
195.40	60.01	60.12	64.17	65.60	64.29	84.18	63.90	45.01
195.50	60.12	60.23	64.68	66.07	67.07	89.06	66.11	45.83
195.60	60.46	60.57	65.63	66.64	67.35	83.47	65.39	45.56
195.70	60.46	60.57	65.11	66.28	64.11	78.24	62.85	44.85
195.70	60.12	60.23	64.22	65.58	62.31	75.28	63.92	45.13
195.80	59.90	60.01	64.17	65.43	64.36	83.90	64.22	45.08
195.90	60.12	60.23	64.85	66.00	66.90	89.32	65.57	45.74
196.00	60.51	60.62	65.85	66.58	67.57	83.97	64.82	45.79
196.10	60.62	60.68	65.54	66.36	64.71	78.81	63.07	45.52
196.10	60.34	60.46	64.67	65.74	62.65	75.50	63.96	45.26
196.20	60.23	60.34	64.83	65.69	65.43	83.88	66.47	45.95
196.30	60.84	60.95	66.07	66.79	68.68	90.09	69.43	47.19
196.40	61.50	61.61	67.29	67.69	69.23	85.12	67.49	47.06
196.40	61.50	61.56	66.47	67.36	65.53	79.76	63.43	45.89
196.50	60.90	61.01	65.11	66.47	62.80	75.78	63.28	45.03
196.60	60.46	60.57	64.89	66.04	64.97	83.65	64.33	44.94
196.70	60.57	60.68	65.46	66.51	67.57	90.00	66.36	45.67
196.80	60.90	61.01	66.51	67.03	68.40	85.04	65.64	45.83
196.80	61.01	61.06	66.21	66.81	65.54	79.89	63.55	45.48
196.90	60.68	60.73	65.08	66.04	62.89	75.79	63.30	45.05
197.00	60.46	60.57	65.18	65.92	65.25	83.57	65.39	45.74
197.10	60.84	60.95	66.07	66.67	68.29	90.43	67.87	46.57
197.10	61.45	61.56	67.40	67.51	69.68	85.94	67.61	47.19
197.20	61.73	61.84	67.29	67.61	66.92	80.88	65.17	46.58
197.30	61.67	61.73	66.47	67.16	64.28	76.60	65.61	46.51
197.40	61.45	61.56	66.22	66.90	65.74	83.67	64.89	46.31
197.50	61.45	61.56	66.39	67.22	68.00	90.76	65.86	45.96
197.50	61.50	61.67	67.21	67.60	69.15	86.45	65.24	45.60
197.60	61.45	61.56	66.90	67.33	66.36	80.96	63.58	45.60
197.70	61.12	61.23	65.78	66.57	63.53	76.25	63.85	45.35
197.80	60.73	60.84	65.50	66.13	65.13	82.97	64.08	45.31
197.90	60.95	61.06	66.13	66.72	67.96	90.63	66.67	46.15
197.90	61.50	61.61	67.52	67.51	69.74	86.86	66.69	46.63
198.00	61.73	61.78	67.38	67.52	67.06	81.64	64.18	46.47
198.10	61.39	61.50	66.22	66.72	63.97	76.79	64.04	45.72
198.20	61.12	61.17	65.97	66.43	65.49	82.79	65.14	46.03
198.20	61.28	61.39	66.68	66.99	68.74	90.78	67.97	46.76
198.30	61.95	62.06	68.24	68.01	70.72	87.54	68.53	47.35
198.40	62.22	62.33	68.07	68.11	67.81	82.24	65.14	46.65
198.50	61.78	61.89	66.61	67.18	64.19	77.08	63.56	45.40
198.60	61.17	61.28	65.94	66.50	64.94	82.43	63.56	45.06

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
198.60	61.17	61.28	66.35	66.88	68.07	90.41	66.72	46.12
198.70	61.61	61.73	67.64	67.63	70.18	87.57	67.42	46.65
198.80	62.00	62.06	67.94	67.86	68.07	82.44	65.68	46.84
198.90	61.89	61.95	66.92	67.26	64.67	77.51	64.69	46.29
198.90	61.50	61.56	66.42	66.69	65.59	82.29	65.26	46.34
199.00	61.56	61.67	66.79	67.14	68.67	90.61	66.93	46.60
199.10	61.95	62.06	67.97	67.83	70.33	88.23	66.69	46.64
199.20	62.00	62.11	67.90	67.76	67.99	82.89	64.39	46.17
199.30	61.84	61.89	67.04	67.20	64.84	77.90	64.64	46.06
199.30	61.56	61.67	66.61	66.76	65.33	81.86	64.39	45.80
199.40	61.61	61.73	66.83	67.19	68.06	90.40	65.75	45.94
199.50	61.95	62.06	68.01	67.96	70.33	88.66	66.79	46.38
199.60	62.17	62.28	68.18	68.06	68.38	83.24	65.00	46.60
199.70	62.06	62.17	67.22	67.51	65.14	78.14	64.89	46.40
199.70	61.89	61.95	66.92	67.14	65.81	81.63	66.01	46.91
199.80	62.11	62.22	67.39	67.69	68.82	90.37	67.92	47.69
199.90	62.50	62.61	68.39	68.38	70.82	89.19	67.86	47.73
200.00	62.66	62.77	68.56	68.49	68.86	83.81	65.22	47.37
200.00	62.39	62.50	67.50	67.72	65.31	78.73	63.81	46.47
200.10	61.78	61.89	66.67	66.86	65.32	81.11	64.61	46.03
200.20	61.73	61.84	67.07	67.25	68.50	89.91	67.53	46.58
200.30	62.28	62.39	68.46	68.16	71.06	89.67	68.76	47.24
200.40	62.61	62.72	68.79	68.49	69.25	84.19	65.97	47.05
200.40	62.50	62.55	67.81	67.99	65.68	79.08	63.90	46.47
200.50	62.06	62.17	67.00	67.32	65.38	80.86	64.79	46.13
200.60	62.11	62.22	67.33	67.63	68.54	89.86	67.47	47.07
200.70	62.50	62.61	68.39	68.38	71.00	89.89	68.47	47.64
200.80	62.83	62.88	68.86	68.68	69.56	84.47	66.68	47.78
200.80	62.66	62.72	67.75	68.03	65.67	79.33	63.53	46.90
200.90	62.00	62.11	66.78	67.15	65.14	80.36	64.47	46.26
201.00	61.78	61.89	66.83	67.24	68.00	89.36	66.10	46.47
201.10	62.00	62.11	67.74	67.82	70.06	90.00	66.32	46.60
201.10	62.22	62.28	68.32	68.02	69.13	84.57	65.37	46.45
201.20	62.17	62.22	67.59	67.60	65.79	79.45	63.92	46.39
201.30	61.95	62.00	67.03	67.13	65.29	79.85	65.19	46.35
201.40	61.95	62.06	67.11	67.40	67.82	88.92	65.92	46.28
201.50	62.22	62.33	67.96	68.11	70.22	90.47	66.54	46.83
201.50	62.50	62.61	68.50	68.43	69.37	84.87	65.50	46.76
201.60	62.28	62.39	67.44	67.79	65.54	79.58	62.92	46.18
201.70	61.73	61.84	66.44	66.88	64.54	79.39	63.85	45.80
201.80	61.56	61.67	66.50	67.01	67.21	88.38	65.69	46.33
201.80	61.73	61.84	67.18	67.54	69.39	90.35	65.86	46.24
201.90	61.84	61.95	67.63	67.72	68.50	84.75	63.69	45.90
202.00	61.61	61.67	66.70	67.11	64.96	79.52	61.44	45.21
202.10	61.01	61.06	65.64	66.19	63.62	78.58	62.23	44.86
202.20	60.95	61.06	66.13	66.47	67.22	87.70	66.67	46.15
202.20	61.67	61.78	67.75	67.61	70.57	90.72	69.64	47.68
202.30	62.50	62.61	68.84	68.50	70.26	85.39	68.21	47.99
202.40	62.61	62.72	68.00	68.25	66.50	80.17	64.39	46.87
202.50	62.17	62.22	66.86	67.41	64.78	78.83	64.53	46.39
202.60	61.89	62.00	66.72	67.29	67.19	87.66	66.04	46.58
202.60	61.95	62.11	67.20	67.74	69.25	91.01	66.29	46.76
202.70	62.11	62.17	67.71	67.97	68.85	85.17	64.74	46.43
202.80	61.84	61.95	66.89	67.42	65.43	79.85	62.56	45.64
202.90	61.17	61.28	65.61	66.39	63.42	77.81	62.60	45.06

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
202.90	60.73	60.84	65.39	66.13	65.75	86.63	63.47	44.96
203.00	60.73	60.84	65.85	66.56	67.97	90.58	64.00	45.14
203.10	60.95	61.06	66.75	66.89	68.13	84.93	63.60	45.18
203.20	60.95	61.06	66.18	66.65	65.00	79.60	62.38	45.10
203.30	60.84	60.95	65.61	66.18	63.60	77.22	64.11	45.33
203.30	60.95	61.06	65.83	66.40	66.14	86.15	65.44	45.80
203.40	61.28	61.39	66.57	67.17	68.90	91.04	66.74	46.14
203.50	61.73	61.78	67.43	67.71	69.03	85.49	65.66	46.38
203.60	61.67	61.78	66.72	67.38	65.56	80.04	63.28	45.92
203.60	61.17	61.23	65.41	66.36	63.22	76.99	63.10	45.38
203.70	60.79	60.90	65.28	66.11	65.36	85.56	64.14	45.37
203.80	61.01	61.12	65.89	66.78	67.90	90.86	65.41	46.03
203.90	61.17	61.28	66.51	67.06	68.07	85.24	63.74	45.58
204.00	60.95	61.06	65.79	66.60	64.72	79.86	61.15	44.74
204.00	60.34	60.40	64.47	65.59	62.22	76.35	61.22	44.09
204.10	59.90	60.01	64.33	65.36	64.36	84.51	62.73	44.28
204.20	60.18	60.29	65.24	66.13	67.64	90.40	66.60	45.46
204.30	60.90	61.01	66.68	67.03	68.64	85.39	66.53	46.01
204.40	61.17	61.23	66.20	66.97	65.37	80.04	63.19	45.64
204.40	60.90	60.95	65.19	66.26	63.05	76.28	63.78	45.19
204.50	60.84	60.95	65.33	66.29	65.57	84.56	66.39	46.31
204.60	61.12	61.23	65.78	66.94	67.72	90.79	66.57	46.85
204.70	61.45	61.56	66.68	67.46	68.56	85.59	65.86	46.49
204.70	61.45	61.56	66.22	67.15	65.57	80.17	63.92	46.22
204.80	61.01	61.12	64.93	66.28	62.67	75.97	63.31	45.59
204.90	60.57	60.68	64.61	65.89	64.46	83.76	63.92	45.67
205.00	60.57	60.68	64.89	66.26	66.72	90.34	64.71	45.40
205.10	60.73	60.84	65.74	66.68	67.63	85.41	64.08	44.91
205.10	60.62	60.68	65.19	66.36	64.59	79.86	62.19	44.77
205.20	60.29	60.40	64.28	65.75	62.19	75.36	63.65	45.46
205.30	60.18	60.29	64.28	65.69	64.13	82.78	64.24	46.30
205.40	60.40	60.51	64.78	66.35	66.89	89.93	66.56	46.30
205.50	61.01	61.12	66.11	67.20	68.51	85.68	67.33	47.26
205.50	61.28	61.34	65.75	67.14	65.31	80.15	64.08	46.38
205.60	60.84	60.90	64.29	66.21	62.15	75.26	63.29	45.48
205.70	60.29	60.40	63.94	65.68	63.83	82.26	64.17	45.65
205.80	60.51	60.62	64.50	66.28	66.50	89.77	66.67	46.58
205.80	60.79	60.90	65.39	66.79	67.57	85.47	65.54	46.33
205.90	60.73	60.79	64.86	66.53	64.53	79.97	62.31	45.28
206.00	60.12	60.23	63.55	65.51	61.40	74.93	61.99	44.33
206.10	59.63	59.74	63.22	65.14	62.94	81.44	62.97	44.89
206.20	59.85	59.96	63.89	65.79	66.00	89.04	66.79	45.99
206.20	60.51	60.62	65.34	66.76	67.97	85.54	67.81	48.79
206.30	60.95	61.06	65.39	67.08	65.47	80.12	65.00	48.89
206.40	60.95	61.01	64.40	66.63	62.54	75.10	64.89	48.16
206.50	60.84	60.95	64.38	66.43	64.44	81.32	67.25	48.60
206.50	61.17	61.28	64.82	67.00	66.88	89.29	68.63	48.67
206.60	61.56	61.67	65.65	67.63	68.06	85.88	67.72	48.89
206.70	61.56	61.67	65.43	67.50	65.50	80.28	65.18	47.65
206.80	61.01	61.12	63.86	66.47	61.83	74.83	63.65	46.47
206.90	60.23	60.29	63.06	65.60	62.56	80.09	62.94	46.19
206.90	59.90	60.01	62.99	65.67	64.64	88.15	64.57	45.70
207.00	60.01	60.12	63.94	66.14	66.33	85.24	64.94	46.43
207.10	60.12	60.18	63.91	66.23	64.10	79.54	63.28	46.52
207.20	59.96	60.01	63.01	65.76	61.32	74.29	63.99	46.97

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
207.30	59.85	59.96	62.92	65.54	62.72	79.22	64.96	48.03
207.30	60.29	60.40	63.60	66.36	65.82	87.92	68.19	49.63
207.40	61.06	61.17	65.04	67.50	67.96	85.82	69.22	52.76
207.50	61.56	61.67	65.14	67.75	65.72	80.28	66.57	51.26
207.60	61.45	61.56	64.07	67.22	62.33	74.92	65.68	49.75
207.60	61.01	61.12	63.53	66.53	62.97	79.13	65.24	49.92
207.70	60.90	61.01	63.53	66.72	65.00	87.56	66.79	49.37
207.80	60.95	61.06	64.03	67.08	66.32	85.46	65.88	50.74
207.90	60.73	60.79	63.62	66.78	63.91	79.53	62.75	48.37
208.00	60.18	60.23	62.39	65.92	60.63	74.25	62.11	46.84
208.00	59.52	59.63	61.87	65.15	61.08	77.57	62.69	47.51
208.10	59.52	59.63	62.26	65.53	64.08	86.40	66.64	48.58
208.20	60.23	60.34	63.76	66.74	66.85	85.28	69.00	53.76
208.30	60.90	61.01	64.08	67.33	64.96	79.63	65.74	53.39
208.30	60.95	61.06	63.19	67.08	61.78	74.33	64.65	51.78
208.40	60.84	60.95	62.90	66.67	62.58	77.57	66.64	52.55
208.50	61.06	61.17	63.30	67.19	65.00	86.51	68.53	52.60
208.60	61.50	61.61	64.18	67.89	66.93	85.64	68.79	55.40
208.70	61.67	61.78	64.18	67.99	64.99	79.86	65.81	53.56
208.70	61.23	61.28	62.64	67.08	61.00	74.23	62.63	51.16
208.80	60.40	60.46	61.65	66.08	60.74	76.40	62.94	51.11
208.90	59.96	60.07	61.56	65.97	62.99	85.18	65.07	50.35
209.00	60.18	60.29	62.58	66.56	65.36	84.96	66.68	53.63
209.10	60.51	60.62	62.92	66.94	63.94	79.17	64.47	53.08
209.10	60.62	60.68	62.32	66.79	61.13	73.99	64.04	52.21
209.20	60.62	60.73	62.17	66.63	61.67	75.76	66.33	53.46
209.30	61.01	61.12	62.67	67.32	64.61	84.99	68.82	54.38
209.40	61.84	61.95	64.01	68.51	67.19	85.71	70.40	58.80
209.40	62.39	62.44	64.25	69.03	65.57	79.84	67.64	57.58
209.50	62.17	62.28	63.05	68.42	61.80	74.39	64.39	54.76
209.60	61.50	61.61	62.05	67.39	61.08	75.32	64.60	55.05
209.70	61.23	61.34	61.99	67.29	63.47	84.32	66.07	54.85
209.80	61.34	61.45	62.56	67.83	65.17	85.14	66.36	57.51
209.80	61.34	61.45	62.60	67.90	63.74	79.18	64.07	55.76
209.90	61.06	61.12	61.74	67.35	60.72	73.81	62.73	53.35
210.00	60.68	60.73	61.24	66.65	60.34	74.30	64.18	54.36
210.10	60.79	60.90	61.89	67.04	63.76	83.63	68.50	55.81
210.10	61.61	61.73	63.22	68.36	66.40	85.49	70.28	60.65
210.20	62.50	62.55	64.08	69.44	65.90	79.78	69.13	61.25
210.30	62.88	62.94	63.57	69.52	62.94	74.54	67.26	58.95
210.40	62.77	62.88	62.92	69.01	62.12	74.56	67.71	59.47
210.50	62.77	62.83	62.89	69.11	64.31	83.72	68.29	59.44
210.50	62.94	63.05	63.42	69.66	66.32	85.82	69.07	62.15
210.60	63.22	63.27	63.90	70.08	65.65	79.78	67.94	61.71
210.70	63.05	63.16	62.90	69.58	62.06	74.29	65.00	58.53
210.80	62.44	62.50	61.82	68.60	60.68	73.50	65.24	58.94
210.90	62.06	62.11	61.72	68.46	63.14	82.58	66.69	58.81
210.90	62.33	62.39	62.73	69.15	65.79	85.47	68.97	62.03
211.00	62.88	62.99	63.60	69.97	65.57	79.65	68.50	62.62
211.10	63.22	63.27	63.16	69.97	62.71	74.35	66.81	60.67
211.20	63.22	63.27	62.65	69.61	61.85	73.21	68.20	61.27
211.20	63.44	63.55	63.19	70.03	65.06	82.56	70.86	62.65
211.30	64.21	64.26	64.33	71.19	67.84	86.17	72.97	67.54
211.40	64.98	65.04	65.10	72.13	67.36	80.38	71.40	67.71
211.50	65.09	65.15	64.19	71.82	63.67	74.88	67.81	64.10

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
211.60	64.60	64.65	63.13	70.97	62.04	73.15	67.83	64.04
211.60	64.43	64.54	63.39	71.00	64.74	82.14	69.43	65.36
211.70	64.65	64.76	63.83	71.64	66.61	86.01	69.72	68.26
211.80	64.93	64.98	64.31	72.08	66.29	80.06	68.68	67.65
211.90	64.82	64.87	63.63	71.72	63.23	74.61	66.74	63.83
212.00	64.49	64.54	62.96	70.97	61.93	72.44	68.25	64.44
212.00	64.43	64.54	63.39	71.13	65.14	81.52	71.24	66.14
212.10	65.15	65.26	64.61	72.32	68.35	86.15	74.36	70.97
212.20	66.09	66.14	65.64	73.52	68.24	80.50	72.84	72.55
212.30	66.42	66.47	64.95	73.49	64.89	75.04	69.97	68.53
212.30	66.20	66.31	64.19	72.86	63.28	72.47	71.00	68.68
212.40	66.25	66.36	64.47	73.04	65.93	81.47	71.82	70.36
212.50	66.64	66.75	65.08	73.85	68.19	86.31	72.81	73.72
212.60	67.08	67.14	65.78	74.56	68.33	80.68	72.36	73.96
212.70	67.02	67.08	64.88	74.21	64.64	75.03	68.59	69.72
212.70	66.53	66.58	63.76	73.29	62.61	71.90	69.22	69.50
212.80	66.20	66.25	63.77	73.03	65.40	80.51	70.54	70.53
212.90	66.47	66.58	64.75	73.81	68.19	85.97	73.25	74.15
213.00	67.25	67.36	65.97	74.88	68.68	80.61	73.06	75.76
213.00	67.80	67.85	65.88	75.15	66.21	75.44	72.29	72.62
213.10	67.91	67.96	65.20	74.77	64.22	72.03	72.65	72.22
213.20	67.96	68.02	65.42	74.83	67.06	80.50	73.92	73.89
213.30	68.52	68.58	66.44	75.93	70.36	86.38	77.40	78.79
213.40	69.47	69.53	67.69	77.18	70.93	81.47	76.97	81.01
213.40	69.86	69.92	67.13	77.27	67.45	76.01	73.66	76.47
213.50	69.47	69.53	65.83	76.40	64.67	72.10	72.58	74.80
213.60	68.91	69.03	65.57	75.93	66.63	79.99	72.31	76.14
213.70	69.03	69.08	66.11	76.55	69.31	86.01	74.54	79.97
213.80	69.47	69.53	66.90	77.36	69.69	80.95	73.79	81.26
213.80	69.53	69.58	66.33	77.18	66.60	75.40	71.43	76.22
213.90	69.19	69.30	65.46	76.32	64.42	71.32	72.67	75.07
214.00	69.14	69.25	65.90	76.26	67.76	79.15	76.15	77.90
214.10	69.92	70.03	67.26	77.60	71.13	86.06	78.64	82.58
214.10	70.98	71.09	68.61	78.96	72.13	81.69	78.33	85.93
214.20	71.65	71.71	68.43	79.29	69.36	76.57	76.31	81.40
214.30	71.88	71.93	67.93	79.03	67.11	72.40	77.22	80.09
214.40	71.82	71.88	67.93	78.86	69.03	79.79	76.91	82.50
214.50	72.16	72.27	68.57	79.75	71.90	86.69	78.90	86.32
214.50	72.72	72.77	69.44	80.71	72.66	82.26	78.06	88.35
214.60	72.72	72.83	68.79	80.56	69.33	76.60	75.15	82.99
214.70	72.32	72.38	67.53	79.60	66.32	71.79	75.08	80.54
214.80	71.88	71.99	67.39	79.11	68.39	78.74	75.61	82.92
214.80	72.04	72.16	68.07	79.76	71.24	85.82	77.42	86.31
214.90	72.66	72.72	69.32	80.90	72.83	81.76	78.69	89.80
215.00	73.27	73.33	69.44	81.21	70.59	76.69	78.10	85.47
215.10	73.50	73.55	68.72	80.76	67.85	72.17	77.81	82.89
215.20	73.39	73.44	68.72	80.54	69.92	78.64	78.72	85.07
215.20	74.06	74.11	70.05	81.74	74.17	86.38	83.17	90.67
215.30	75.12	75.18	71.39	83.16	75.29	82.99	82.42	95.14
215.40	75.57	75.62	71.01	83.31	72.04	77.58	79.09	89.15
215.50	75.23	75.29	69.67	82.55	68.64	72.58	78.33	85.46
215.60	74.67	74.73	69.22	81.87	69.92	78.17	77.69	87.85
215.60	74.73	74.78	69.78	82.53	73.00	85.65	79.63	91.75
215.70	75.23	75.34	70.86	83.54	74.64	82.43	80.68	95.94
215.80	75.62	75.68	70.72	83.60	71.88	77.19	78.46	90.04

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON	ROW 6
215.90	75.29	75.34	69.44	82.79	68.41	72.21	77.79	85.77	
215.90	74.95	75.01	69.50	82.33	70.54	77.31	80.11	88.88	
216.00	75.46	75.51	70.61	83.26	74.28	85.33	83.19	93.29	
216.10	76.41	76.52	72.10	84.64	76.38	82.89	83.99	99.17	
216.20	77.25	77.31	72.42	85.41	74.24	77.94	83.00	94.06	
216.30	77.66	77.77	71.85	85.18	71.32	73.38	83.26	90.47	
216.30	77.49	77.54	71.48	84.74	72.07	77.74	81.61	93.03	
216.40	77.49	77.54	71.76	85.16	74.86	85.52	82.81	96.45	
216.50	77.89	78.01	72.75	86.13	76.75	83.15	83.67	101.54	
216.60	78.18	78.24	72.57	86.33	73.99	77.82	81.10	95.39	
216.70	77.83	77.89	71.16	85.44	70.23	72.82	80.24	90.45	
216.70	77.25	77.37	70.78	84.72	71.19	76.40	80.37	93.25	
216.80	77.20	77.31	71.16	85.07	74.10	84.29	81.43	96.44	
216.90	77.66	77.77	72.35	86.08	76.57	82.49	83.69	102.64	
217.00	78.41	78.47	72.86	86.68	74.90	77.62	83.39	97.44	
217.00	78.64	78.70	72.09	86.37	71.55	72.94	82.94	92.42	
217.10	78.53	78.59	71.86	85.90	72.55	76.07	83.33	94.90	
217.20	78.88	78.93	72.82	86.72	76.54	84.38	86.76	100.15	
217.30	79.86	79.92	74.31	87.57	78.86	83.35	87.65	107.14	
217.40	80.44	80.50	74.34	87.79	76.32	78.25	84.65	100.85	
217.40	80.21	80.27	72.99	87.38	72.23	73.28	82.96	94.38	
217.50	79.57	79.69	72.32	86.78	72.51	75.39	82.52	97.11	
217.60	79.34	79.40	72.51	87.06	75.50	83.26	84.06	100.77	
217.70	79.86	79.92	73.76	87.93	78.03	82.65	85.78	107.55	
217.70	80.38	80.44	74.00	88.15	76.04	77.67	83.73	101.71	
217.80	80.15	80.21	72.66	87.62	71.95	72.69	81.78	94.83	
217.90	79.69	79.75	72.30	86.99	72.71	74.33	84.24	97.78	
218.00	79.98	80.04	73.32	87.57	76.69	82.86	87.34	101.97	
218.10	80.85	80.91	74.80	88.43	79.46	82.85	88.87	109.40	
218.10	81.66	81.78	75.32	87.83	78.01	78.18	87.67	104.89	
218.20	81.89	81.95	74.35	87.97	74.03	73.47	85.50	97.86	
218.30	81.60	81.66	73.83	88.22	74.02	74.41	85.72	100.90	
218.40	81.49	81.54	74.11	88.46	76.98	82.44	86.71	104.53	
218.50	81.89	82.01	75.16	87.76	79.42	82.88	87.64	111.01	
218.50	82.35	82.41	75.37	87.65	77.74	77.80	85.87	106.27	
218.60	82.18	82.24	74.14	87.54	73.65	72.97	83.98	98.48	
218.70	81.66	81.72	73.51	88.33	73.58	73.33	84.58	101.13	
218.80	81.49	81.54	73.78	88.46	76.47	81.30	85.61	104.78	
218.80	81.89	81.95	74.91	87.91	79.33	82.32	87.87	111.24	
218.90	82.64	82.70	75.83	88.24	78.92	77.65	88.95	108.44	
219.00	83.05	83.11	75.18	88.28	75.14	73.23	86.73	100.42	
219.10	82.82	82.88	74.50	88.23	74.57	72.91	87.26	102.51	
219.20	82.82	82.88	75.06	88.71	78.04	80.97	89.29	106.88	
219.20	83.51	83.57	76.43	88.74	81.12	82.81	91.08	114.26	
219.30	84.27	84.33	77.02	84.23	80.04	78.05	89.37	111.07	
219.40	84.27	84.33	75.85	87.58	75.64	73.40	85.90	102.03	
219.50	83.63	83.69	74.82	87.84	74.55	72.24	86.29	103.90	
219.50	83.34	83.34	75.05	88.12	77.69	80.07	87.83	107.85	
219.60	83.80	83.86	76.27	89.32	80.69	82.49	89.42	114.71	
219.70	84.50	84.56	77.08	87.87	80.22	77.76	89.09	112.53	
219.80	84.56	84.62	75.97	88.34	75.93	73.17	86.10	103.39	
219.90	84.15	84.21	75.34	88.60	75.24	71.71	88.58	104.97	
219.90	84.21	84.27	76.07	88.12	78.93	79.75	91.34	109.05	
220.00	84.91	84.96	77.43	87.62	82.07	82.71	93.04	115.76	
220.10	85.60	85.66	78.13	80.33	81.76	77.99	92.46	114.72	

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
220.20	85.89	85.95	77.36	80.26	77.77	73.63	89.70	106.17
220.30	85.54	85.60	76.52	84.91	76.31	71.52	90.12	107.14
220.30	85.31	85.37	76.67	85.34	78.97	79.10	90.23	110.69
220.40	85.60	85.66	77.58	80.09	81.88	82.54	91.36	116.76
220.50	86.13	86.19	78.28	80.56	81.85	77.91	91.21	116.21
220.60	86.32	86.38	77.47	80.39	77.87	73.45	88.86	107.32
220.60	85.89	85.89	76.45	84.62	75.95	70.88	88.99	107.53
220.70	85.54	85.60	76.57	85.51	78.70	78.19	89.78	111.24
220.80	85.89	85.89	77.61	85.65	82.14	82.10	92.38	117.25
220.90	86.69	86.75	78.95	80.71	82.98	77.95	93.63	118.21
221.00	87.18	87.18	78.37	84.49	79.16	73.77	91.38	109.29
221.00	86.75	86.75	77.15	86.69	76.77	70.61	90.78	108.13
221.10	86.38	86.44	77.36	86.05	79.60	77.64	92.30	112.22
221.20	86.87	86.94	78.59	84.51	83.22	82.16	94.57	118.88
221.30	87.74	87.80	79.80	85.63	83.93	78.23	94.43	120.29
221.40	87.99	88.11	79.03	86.09	79.82	73.96	91.15	110.88
221.40	87.49	87.56	77.78	85.20	77.28	70.43	91.05	109.54
221.50	87.00	87.06	77.66	84.15	79.51	76.87	91.23	113.23
221.60	87.18	87.25	78.40	85.60	82.53	81.69	92.52	119.02
221.70	87.74	87.80	79.41	85.93	83.49	77.88	92.90	121.10
221.70	87.99	87.99	78.74	86.32	79.70	73.54	90.67	111.96
221.80	87.62	87.62	77.76	85.53	77.32	69.91	91.82	109.80
221.90	87.25	87.31	77.86	84.46	79.70	76.15	92.92	113.23
222.00	87.56	87.62	78.83	85.98	83.24	81.54	95.09	118.57
222.10	88.17	88.24	80.02	86.01	84.65	77.97	96.04	122.33
222.10	88.73	88.79	79.75	83.20	81.26	73.89	93.81	113.86
222.20	88.61	88.61	78.76	86.59	78.44	70.13	93.82	111.26
222.30	88.30	88.36	78.81	86.55	80.49	75.82	93.63	115.07
222.40	88.48	88.55	79.61	85.96	83.74	81.52	94.91	120.28
222.40	89.10	89.16	80.74	81.59	85.15	78.39	95.53	124.35
222.50	89.41	89.47	80.22	81.66	81.57	74.15	93.14	115.25
222.60	88.98	89.04	78.84	83.81	78.18	70.10	92.62	111.49
222.70	88.36	88.42	78.43	86.55	79.78	74.92	92.17	114.96
222.80	88.42	88.48	79.16	86.14	83.18	80.85	94.09	119.90
222.80	88.98	89.04	80.39	81.41	85.02	78.18	95.49	124.96
222.90	89.47	89.54	80.28	81.61	82.13	74.12	94.04	116.05
223.00	89.16	89.16	79.00	84.75	78.56	70.08	94.04	111.23
223.10	88.61	88.67	78.80	86.62	80.14	74.12	94.02	114.88
223.20	88.86	88.92	79.77	85.19	83.89	80.68	96.21	120.40
223.20	89.60	89.72	81.27	81.70	86.12	78.58	97.74	126.47
223.30	90.28	90.34	81.27	82.00	83.28	74.77	95.35	117.97
223.40	90.09	90.15	80.08	81.75	79.59	70.80	94.92	112.66
223.50	89.66	89.72	79.81	81.43	80.87	74.05	94.48	116.31
223.50	89.72	89.78	80.42	81.56	84.16	80.68	95.81	121.16
223.60	90.22	90.28	81.54	82.06	86.11	79.00	96.64	127.52
223.70	90.59	90.65	81.36	82.26	83.43	74.91	94.65	118.92
223.80	90.28	90.34	80.05	81.88	79.55	70.90	94.68	112.68
223.90	89.60	89.66	79.47	81.37	80.25	73.46	94.08	115.19
223.90	89.47	89.54	80.06	81.37	83.69	80.34	96.15	119.30
224.00	89.85	89.97	81.19	81.83	85.99	78.92	97.65	126.31
224.10	90.34	90.46	81.42	82.10	83.93	74.95	96.04	119.44
224.20	90.28	90.34	80.27	81.88	80.05	71.08	95.35	112.76
224.20	89.91	89.91	79.97	81.53	80.76	72.95	95.04	116.11
224.30	89.91	89.97	80.61	81.62	84.07	80.17	96.08	120.45
224.40	90.40	90.46	81.78	82.19	86.40	79.62	97.50	127.05

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
224.50	90.96	91.02	82.07	82.45	84.69	75.64	96.71	120.82
224.60	90.90	90.96	80.84	82.39	80.46	71.71	95.13	113.29
224.60	90.22	90.28	80.04	81.82	80.44	72.68	93.86	115.96
224.70	89.91	89.97	80.34	81.68	83.57	79.82	95.49	119.80
224.80	90.34	90.40	81.50	82.12	86.18	79.91	97.02	126.43
224.90	90.84	90.90	81.89	82.45	84.74	75.95	96.33	120.94
225.00	90.59	90.65	80.58	82.01	80.31	71.74	94.65	112.33
225.00	89.91	89.91	79.69	85.57	80.03	71.90	94.45	114.65
225.10	89.60	89.66	80.19	85.89	83.53	79.33	96.36	119.17
225.20	90.15	90.22	81.58	82.06	86.27	80.25	97.50	125.93
225.30	90.84	90.90	82.16	82.57	85.29	76.30	97.00	121.76
225.30	90.77	90.84	80.99	82.26	80.67	72.37	93.82	112.43
225.40	90.22	90.22	80.17	83.29	80.35	71.95	94.67	115.28
225.50	89.97	90.03	80.51	83.73	83.47	79.36	95.72	119.45
225.60	90.34	90.40	81.55	82.24	86.07	80.78	96.51	125.79
225.70	90.90	90.96	82.17	82.69	85.41	76.80	96.56	122.46
225.70	90.96	91.02	81.24	82.51	81.19	73.00	94.26	112.86
225.80	90.46	90.46	80.42	82.58	80.38	72.20	95.17	114.54
225.90	90.03	90.09	80.57	85.90	83.36	79.60	96.54	117.64
226.00	90.22	90.28	81.48	82.24	86.05	81.36	97.31	124.14
226.00	90.59	90.65	82.02	82.62	85.49	77.19	96.67	121.92
226.10	90.59	90.65	81.14	82.44	81.26	73.15	94.14	112.33
226.20	90.09	90.09	80.27	87.36	80.22	71.73	95.14	114.02
226.30	89.78	89.85	80.54	87.62	83.11	79.35	95.37	117.65
226.40	90.03	90.09	81.46	85.30	85.87	82.04	96.20	123.88
226.40	90.53	90.65	82.15	82.83	85.68	77.86	96.56	122.54
226.50	90.65	90.65	81.22	82.65	81.45	73.80	93.92	112.77
226.60	89.97	89.97	79.92	87.77	79.59	71.61	93.66	113.41
226.70	89.54	89.60	80.18	87.61	82.75	79.01	95.54	117.00
226.80	89.85	89.97	81.36	87.71	85.88	82.68	97.14	123.09
226.80	90.40	90.46	82.17	82.85	85.96	78.57	97.08	122.63
226.90	90.40	90.46	81.06	86.57	81.57	74.37	93.96	112.64
227.00	89.60	89.66	79.69	87.02	79.25	71.53	93.91	111.77
227.10	88.98	89.04	79.78	85.32	82.02	78.62	94.99	115.40
227.10	89.23	89.29	80.92	87.30	85.33	82.89	96.58	121.49
227.20	89.85	89.91	81.88	88.57	85.79	78.97	96.52	122.01
227.30	90.03	90.03	81.04	88.84	81.60	74.92	93.13	112.41
227.40	89.47	89.54	79.90	86.65	79.35	71.84	93.71	111.65
227.50	89.04	89.10	79.90	85.32	81.86	78.77	94.29	115.22
227.50	89.16	89.23	80.74	86.82	84.99	83.53	95.51	120.86
227.60	89.60	89.66	81.57	88.80	85.48	79.59	95.27	121.93
227.70	89.66	89.72	80.75	88.56	81.54	75.37	93.22	112.57
227.80	89.10	89.16	79.52	86.70	78.92	71.99	93.42	110.30
227.90	88.36	88.42	79.15	86.55	80.83	78.60	93.52	112.52
227.90	88.30	88.36	79.87	88.09	84.00	83.69	95.07	117.91
228.00	88.61	88.67	80.79	88.40	84.98	79.81	95.29	120.40
228.10	88.79	88.86	80.42	88.94	81.49	75.62	93.45	111.72
228.20	88.36	88.42	79.21	88.74	78.55	71.93	92.93	109.00
228.20	87.80	87.86	79.03	87.30	80.60	78.38	92.63	112.14
228.30	87.80	87.86	79.75	88.72	83.72	84.15	94.06	117.43
228.40	88.36	88.42	80.87	88.80	85.12	80.61	95.30	120.57
228.50	88.61	88.73	80.38	88.79	81.62	76.35	93.04	111.81
228.60	88.17	88.24	79.02	89.27	78.31	72.27	92.41	108.32
228.60	87.56	87.62	78.78	87.82	80.07	78.22	92.13	111.24
228.70	87.49	87.56	79.38	90.01	83.12	84.54	93.42	115.75

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
228.80	87.74	87.86	80.22	91.12	84.35	81.24	93.61	119.27
228.90	87.80	87.86	79.58	91.57	80.93	76.72	91.53	110.50
228.90	87.06	87.12	77.94	91.06	77.18	72.28	90.78	105.59
229.00	86.26	86.32	77.68	90.20	78.97	77.60	91.33	108.74
229.10	86.32	86.38	78.63	91.57	82.54	84.48	93.43	113.71
229.20	86.81	86.87	79.74	92.24	84.05	81.66	93.67	117.85
229.30	87.06	87.12	79.38	91.95	80.74	77.19	90.87	109.53
229.30	86.56	86.63	77.94	91.93	77.06	72.74	90.37	104.94
229.40	85.95	86.01	77.59	90.90	78.72	77.55	90.69	108.19
229.50	86.01	86.07	78.43	91.67	82.28	84.78	93.20	113.08
229.60	86.26	86.32	79.18	92.40	83.31	82.23	92.35	116.49
229.70	86.26	86.32	78.62	92.51	79.98	77.60	89.64	108.49
229.70	85.49	85.54	76.68	92.04	75.58	72.87	88.79	101.64
229.80	84.56	84.62	76.14	91.19	76.99	77.12	88.81	104.54
229.90	84.44	84.50	76.80	91.73	80.38	84.44	90.47	109.03
230.00	84.79	84.91	78.01	92.57	82.54	82.28	91.86	114.86
230.00	85.20	85.25	78.17	92.77	80.02	77.85	90.28	107.29
230.10	84.96	85.02	76.94	92.24	76.17	73.49	89.29	101.63
230.20	84.33	84.38	76.52	91.44	77.15	77.15	88.41	104.32
230.30	84.21	84.27	77.01	91.86	80.26	84.99	89.73	108.31
230.40	84.56	84.62	78.08	92.85	82.44	83.15	91.68	114.29
230.40	84.96	85.02	78.21	92.90	80.12	78.49	90.22	107.32
230.50	84.79	84.85	77.04	92.37	76.28	74.10	89.29	101.12
230.60	84.09	84.15	76.34	91.33	76.69	77.01	88.10	103.27
230.70	83.80	83.86	76.66	91.40	79.86	85.11	89.67	106.61
230.70	84.09	84.15	77.73	92.46	82.20	84.09	91.14	112.87
230.80	84.38	84.44	77.63	92.62	79.65	79.31	88.38	105.86
230.90	83.92	83.98	76.22	91.51	75.40	74.55	86.66	98.44
231.00	83.11	83.17	75.63	90.24	75.87	76.89	87.21	100.72
231.10	82.93	82.99	76.29	90.54	79.43	85.38	89.58	104.46
231.10	83.34	83.40	77.47	91.65	81.67	84.73	90.65	110.51
231.20	83.63	83.69	77.49	92.00	79.46	79.86	87.98	104.31
231.30	83.22	83.28	76.02	90.94	75.15	75.08	85.71	97.18
231.40	82.47	82.53	75.27	89.85	75.29	76.78	86.16	99.60
231.50	82.24	82.30	75.70	90.03	78.79	85.29	88.97	103.28
231.50	82.70	82.82	76.97	91.17	81.23	85.26	89.89	109.34
231.60	83.05	83.11	77.07	91.49	79.16	80.33	87.49	103.49
231.70	82.59	82.64	75.44	90.38	74.62	75.49	84.30	95.72
231.80	81.78	81.83	74.62	88.98	74.53	76.78	85.04	96.92
231.80	81.37	81.43	74.83	88.88	77.64	85.29	86.51	99.60
231.90	81.49	81.60	75.86	89.79	80.07	85.61	88.00	105.86
232.00	81.83	81.89	76.35	90.22	78.66	80.60	87.05	100.97
232.10	81.60	81.66	75.17	89.40	74.47	75.91	84.01	93.58
232.20	80.91	80.96	74.42	88.19	74.16	76.61	84.51	95.48
232.20	80.62	80.67	74.74	88.19	77.33	85.42	86.28	98.61
232.30	80.96	81.02	75.76	89.19	79.57	86.37	86.79	104.35
232.40	81.14	81.25	75.90	89.57	78.11	81.07	85.46	100.07
232.50	80.91	81.02	74.72	88.81	74.13	76.11	83.08	92.67
232.60	80.27	80.33	73.94	87.56	73.52	76.24	83.87	94.11
232.60	79.86	79.92	74.04	87.33	76.24	85.19	84.50	95.87
232.70	79.86	79.98	74.73	87.96	78.78	86.78	85.56	101.89
232.80	80.21	80.27	75.16	88.51	77.71	81.51	84.59	98.46
232.90	79.92	80.04	74.01	87.72	73.48	76.53	81.24	90.53
232.90	79.11	79.17	73.06	86.24	72.58	76.04	82.54	91.12
233.00	78.64	78.70	73.31	86.01	75.58	84.93	84.05	93.51

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
233.10	78.88	78.93	74.33	86.90	78.26	87.15	85.57	98.90
233.20	79.22	79.28	74.90	87.48	77.33	81.93	84.54	96.33
233.30	79.11	79.17	73.89	86.83	73.47	76.92	81.68	89.45
233.30	78.47	78.53	72.92	85.66	72.16	75.92	81.99	90.08
233.40	78.01	78.12	72.98	85.40	75.19	84.85	83.96	92.40
233.50	78.35	78.47	74.11	86.35	78.05	87.71	85.59	97.58
233.60	78.70	78.76	74.48	86.90	76.92	82.36	83.42	94.99
233.60	78.24	78.30	72.96	85.91	72.38	77.10	79.10	87.68
233.70	77.25	77.31	71.64	84.32	70.77	75.49	79.66	86.79
233.80	76.85	76.91	71.96	84.10	74.06	84.54	82.09	88.82
233.90	76.96	77.02	72.79	84.82	76.69	87.77	83.49	93.94
234.00	77.20	77.31	73.39	85.32	75.89	82.38	82.03	91.94
234.00	76.91	76.96	72.35	84.52	71.99	77.08	79.14	85.18
234.10	76.18	76.24	71.34	83.19	70.42	75.21	79.71	85.05
234.20	75.79	75.85	71.51	83.04	73.28	84.18	80.86	87.27
234.30	76.01	76.07	72.34	83.81	75.96	88.13	82.54	91.67
234.40	76.29	76.41	72.99	84.42	75.54	82.61	81.64	90.72
234.40	76.24	76.29	72.18	83.91	72.04	77.37	79.59	84.77
234.50	75.62	75.73	71.08	82.67	70.06	75.03	79.43	83.85
234.60	75.01	75.12	70.81	82.06	72.24	83.78	79.17	84.42
234.70	74.78	74.90	71.08	82.32	74.31	88.25	79.46	88.15
234.70	74.90	74.95	71.56	82.82	74.17	82.59	78.76	88.24
234.80	74.67	74.78	70.81	82.26	70.73	77.24	77.03	81.89
234.90	74.06	74.11	69.83	81.02	68.69	74.40	77.33	80.48
235.00	73.44	73.50	69.72	80.47	71.26	83.15	78.18	81.65
235.10	73.55	73.67	70.57	81.14	73.97	88.32	80.21	85.61
235.10	73.89	74.00	71.42	81.79	74.08	83.01	79.51	85.60
235.20	73.83	73.89	70.61	81.34	70.48	77.60	76.33	80.08
235.30	73.16	73.22	69.38	80.07	68.19	74.29	76.53	78.83
235.40	72.83	72.88	69.60	79.86	71.10	83.07	78.68	80.78
235.40	73.22	73.33	70.64	80.75	74.19	88.86	81.33	84.59
235.50	73.55	73.67	71.25	81.33	73.92	83.56	79.18	84.58
235.60	73.22	73.27	69.99	80.54	69.86	77.95	75.03	78.54
235.70	72.27	72.32	68.43	79.00	67.11	74.11	74.77	76.07
235.80	71.60	71.65	68.32	78.45	69.75	82.36	76.17	77.18
235.80	71.65	71.76	69.18	79.01	72.47	88.36	78.49	80.65
235.90	71.88	71.99	69.90	79.54	72.63	83.19	77.07	80.88
236.00	71.76	71.82	69.26	79.10	69.42	77.90	74.87	75.82
236.10	71.15	71.26	68.11	77.92	66.86	74.07	74.54	74.21
236.20	70.70	70.76	68.20	77.44	69.25	82.35	75.62	75.61
236.20	70.87	70.98	68.84	78.06	71.96	88.79	77.54	78.53
236.30	71.26	71.32	69.82	78.84	72.66	83.78	77.38	79.82
236.40	71.43	71.49	69.54	78.76	69.86	78.53	75.74	75.65
236.50	70.98	71.04	68.31	77.66	66.89	74.22	74.69	73.33
236.50	70.26	70.37	67.78	76.85	68.39	82.11	74.07	73.22
236.60	69.86	69.98	67.78	76.88	70.45	88.58	74.89	75.22
236.70	69.92	69.98	68.47	77.39	71.32	83.58	75.01	77.29
236.80	69.86	69.92	68.03	77.09	68.47	78.02	73.31	72.64
236.90	69.36	69.47	66.93	76.00	65.61	73.68	72.83	69.94
236.90	68.80	68.86	66.78	75.36	67.51	81.42	73.46	70.81
237.00	68.91	68.97	67.51	75.83	70.31	88.75	75.47	72.97
237.10	69.19	69.30	68.50	76.50	71.35	84.19	75.17	74.47
237.20	69.30	69.36	68.25	76.41	68.69	78.69	73.36	71.06
237.30	68.91	68.97	67.01	75.41	65.58	74.08	72.71	68.71
237.30	68.35	68.47	66.81	74.82	67.48	81.26	73.72	69.71

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
237.40	68.63	68.75	67.72	75.53	70.57	88.93	76.86	72.04
237.50	68.97	69.08	68.50	76.17	71.40	84.68	75.47	73.64
237.60	68.75	68.80	67.57	75.67	67.74	78.92	71.08	69.04
237.60	67.80	67.85	65.76	74.24	64.17	73.68	70.04	65.86
237.70	67.08	67.14	65.56	73.47	66.11	80.51	71.40	66.52
237.80	67.08	67.19	66.14	73.93	68.63	88.28	73.15	68.18
237.90	67.36	67.41	67.19	74.47	70.16	84.36	73.66	70.06
238.00	67.47	67.52	67.01	74.40	67.64	78.88	71.79	66.65
238.00	66.97	67.02	65.73	73.30	64.19	73.92	70.18	63.82
238.10	66.31	66.36	65.35	72.53	65.57	80.28	70.39	64.54
238.20	66.31	66.42	65.82	72.92	68.14	88.31	72.74	66.04
238.30	66.58	66.69	66.83	73.61	69.82	84.68	73.10	68.39
238.30	66.86	66.91	66.92	73.79	67.65	79.24	71.61	65.86
238.40	66.58	66.69	65.82	72.94	64.39	74.18	70.86	63.28
238.50	66.03	66.09	65.36	72.19	65.35	80.01	70.29	63.14
238.60	65.70	65.81	65.28	72.19	67.32	88.07	70.68	63.62
238.70	65.87	65.92	66.26	72.88	69.36	84.91	72.54	67.21
238.70	66.03	66.14	66.22	72.94	66.97	79.33	69.88	64.11
238.80	65.64	65.70	65.03	72.00	63.55	74.11	68.87	60.93
238.90	65.20	65.26	64.92	71.44	64.97	79.54	69.99	61.79
239.00	65.26	65.37	65.39	71.71	67.96	88.15	71.71	62.31
239.10	65.48	65.59	66.36	72.29	69.24	85.43	71.67	64.35
239.10	65.48	65.59	66.18	72.17	66.82	79.75	69.17	61.74
239.20	65.04	65.09	64.93	71.22	63.34	74.47	68.10	58.94
239.30	64.43	64.49	64.43	70.50	64.32	79.14	68.88	59.98
239.40	64.65	64.76	65.31	71.11	67.79	87.92	72.92	61.44
239.40	65.20	65.31	66.47	71.96	69.57	85.86	72.86	64.07
239.50	65.31	65.37	66.16	71.91	66.79	80.18	68.80	61.30
239.60	64.76	64.87	64.74	71.04	63.26	74.67	67.50	58.69
239.70	64.32	64.38	64.49	70.45	64.32	78.94	68.77	58.92
239.80	64.38	64.43	64.89	70.75	66.76	87.88	70.21	59.41
239.80	64.65	64.76	66.04	71.40	69.14	86.11	71.97	62.31
239.90	64.87	64.98	66.19	71.50	67.11	80.47	69.51	60.01
240.00	64.49	64.54	64.94	70.61	63.35	75.25	66.94	56.72
240.10	63.77	63.82	64.28	69.67	63.71	78.65	67.36	57.05
240.10	63.60	63.66	64.45	69.80	66.33	87.57	69.27	57.14
240.20	63.77	63.82	65.35	70.33	68.19	86.18	69.86	60.10
240.30	63.93	63.99	65.57	70.55	66.54	80.48	68.39	58.53
240.40	63.71	63.82	64.58	69.88	63.17	75.30	66.46	55.89
240.50	63.16	63.27	63.97	69.15	63.30	78.09	66.78	55.58
240.50	62.99	63.05	64.01	69.26	65.66	87.15	68.33	55.66
240.60	63.27	63.38	65.17	70.04	68.29	86.50	70.26	59.37
240.70	63.60	63.71	65.43	70.32	66.53	80.79	67.57	57.69
240.80	63.38	63.44	64.40	69.58	62.98	75.47	65.40	54.82
240.90	62.94	62.99	64.01	68.85	63.39	77.94	67.40	55.08
240.90	62.94	63.05	64.32	69.11	65.86	87.21	68.99	54.92
241.00	63.22	63.33	65.33	69.69	68.00	87.04	69.69	57.47
241.10	63.27	63.38	65.39	69.75	66.31	81.17	66.63	55.62
241.20	62.88	62.99	64.26	69.00	62.74	75.81	64.32	52.94
241.20	62.22	62.28	63.47	68.08	62.51	77.32	65.54	53.13
241.30	62.28	62.39	64.06	68.40	65.71	86.74	69.03	53.65
241.40	62.66	62.77	65.07	69.14	67.92	87.29	69.58	56.83
241.50	62.94	62.99	65.32	69.45	66.40	81.51	66.70	55.60
241.60	62.66	62.77	64.28	68.85	62.97	76.11	64.26	53.51
241.60	62.28	62.39	63.78	68.29	62.88	77.22	66.25	53.21

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
241.70	62.33	62.44	64.17	68.51	65.47	86.71	67.97	53.26
241.80	62.72	62.83	65.29	69.21	68.07	87.86	69.81	55.76
241.90	63.05	63.16	65.74	69.47	66.93	82.09	67.36	54.42
241.90	62.77	62.83	64.64	68.81	63.23	76.64	64.35	51.85
242.00	62.11	62.17	63.75	67.79	62.45	77.04	64.91	51.44
242.10	61.78	61.84	63.76	67.82	65.01	86.40	67.12	51.11
242.20	62.00	62.11	64.68	68.38	67.19	87.93	67.89	53.28
242.30	62.22	62.33	65.18	68.72	66.50	82.07	66.63	52.81
242.30	62.11	62.22	64.39	68.24	63.10	76.79	64.07	51.21
242.40	61.73	61.84	63.74	67.54	62.60	76.68	65.25	50.99
242.50	61.61	61.73	63.90	67.68	65.11	86.28	66.81	50.80
242.60	62.06	62.11	65.00	68.52	67.79	88.57	68.69	54.44
242.70	62.55	62.61	65.72	69.13	67.32	82.71	67.63	54.25
242.70	62.55	62.66	65.01	68.68	63.89	77.40	65.11	51.65
242.80	62.22	62.28	64.43	67.96	63.02	76.88	66.33	51.03
242.90	62.00	62.11	64.35	67.89	65.14	86.30	66.75	50.49
243.00	62.11	62.17	64.94	68.28	67.33	89.06	67.63	51.27
243.00	62.28	62.39	65.64	68.64	67.07	83.08	66.50	50.67
243.10	62.11	62.22	64.79	68.11	63.62	77.76	63.72	48.83
243.20	61.50	61.61	63.80	67.14	62.22	76.38	64.15	48.48
243.30	61.28	61.39	64.03	67.24	65.29	85.78	67.53	49.40
243.40	61.78	61.89	65.19	68.15	68.04	89.44	69.57	52.27
243.40	62.39	62.44	66.01	68.79	67.67	83.60	67.55	53.03
243.50	62.39	62.44	65.27	68.54	64.26	78.18	64.58	51.72
243.60	62.00	62.06	64.32	67.74	62.80	76.40	64.97	50.72
243.70	61.78	61.84	64.33	67.70	65.19	85.72	66.33	49.97
243.80	62.00	62.11	65.25	68.25	67.93	89.83	68.85	50.92
243.80	62.44	62.55	66.14	68.81	67.86	84.03	67.72	50.85
243.90	62.39	62.44	65.33	68.36	64.32	78.53	64.31	48.91
244.00	61.84	61.95	64.40	67.42	62.60	76.35	64.93	48.38
244.10	61.56	61.67	64.47	67.32	65.28	85.61	66.93	48.45
244.10	61.67	61.78	64.97	67.74	67.32	90.11	67.57	48.56
244.20	61.89	62.00	65.71	68.21	67.36	84.18	66.21	48.78
244.30	61.89	61.95	65.22	67.94	64.50	78.74	64.78	48.76
244.40	61.73	61.78	64.55	67.40	62.86	76.13	65.58	49.12
244.50	61.61	61.73	64.64	67.43	65.50	85.22	67.07	49.65
244.50	62.06	62.17	65.47	68.31	68.04	90.57	68.72	51.67
244.60	62.44	62.55	66.19	68.81	67.97	84.82	66.50	51.81
244.70	62.44	62.50	65.72	68.54	65.00	79.37	64.89	49.59
244.80	62.17	62.22	64.94	67.78	63.19	76.39	66.19	48.95
244.80	62.11	62.22	65.19	67.82	65.76	85.36	67.39	49.28
244.90	62.39	62.50	65.81	68.39	68.25	90.99	69.22	49.65
245.00	62.72	62.77	66.68	68.87	68.56	85.41	67.53	49.25
245.10	62.55	62.66	65.97	68.43	65.18	79.86	64.60	47.69
245.20	61.89	61.95	64.54	67.32	62.46	76.11	63.90	46.73
245.20	61.39	61.50	64.53	67.04	65.28	84.57	66.75	47.67
245.30	61.78	61.89	65.54	67.92	68.32	90.92	70.09	49.65
245.40	62.50	62.61	66.82	68.86	68.97	85.75	68.56	51.86
245.50	62.72	62.83	66.42	68.83	65.97	80.28	66.07	51.65
245.60	62.50	62.55	65.33	68.17	63.35	76.36	65.29	50.09
245.60	62.11	62.22	65.14	67.82	65.60	84.75	66.51	49.63
245.70	62.39	62.44	65.83	68.43	68.45	91.30	69.80	50.06
245.80	62.94	63.05	67.21	69.18	69.53	86.26	69.60	50.74
245.90	63.05	63.16	66.64	68.99	66.14	80.69	65.97	49.08
245.90	62.55	62.61	65.26	67.98	63.24	76.33	65.26	48.02

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
246.00	62.06	62.11	65.11	67.54	65.35	84.41	66.35	48.05
246.10	62.00	62.11	65.36	67.89	67.31	91.21	67.01	47.76
246.20	62.11	62.22	66.21	68.30	68.26	86.15	66.43	47.78
246.30	62.11	62.22	65.93	68.18	65.60	80.56	65.11	47.87
246.30	62.00	62.06	65.11	67.61	63.19	76.14	65.68	48.26
246.40	61.84	61.95	65.08	67.54	65.43	83.79	66.68	49.35
246.50	62.22	62.28	65.67	68.26	67.95	91.22	68.78	50.68
246.60	62.66	62.72	66.68	69.00	68.89	86.65	67.47	51.65
246.60	62.61	62.72	66.08	68.67	65.82	80.96	64.74	49.35
246.70	62.17	62.28	64.97	67.81	62.99	76.14	65.08	48.10
246.80	61.89	61.95	64.89	67.44	64.90	83.38	65.65	48.50
246.90	61.95	62.06	65.14	67.83	67.14	90.90	67.57	48.40
247.00	62.17	62.28	66.10	68.36	68.38	86.64	66.75	48.28
247.00	62.11	62.22	65.69	68.11	65.49	81.00	63.89	46.99
247.10	61.56	61.61	64.39	67.05	62.24	75.97	63.31	45.86
247.20	61.01	61.12	64.14	66.64	64.39	82.54	65.14	46.83
247.30	61.34	61.45	65.04	67.47	67.50	90.57	69.31	48.76
247.40	62.22	62.33	66.65	68.65	69.43	87.03	69.75	52.28
247.40	62.83	62.94	66.93	69.13	67.17	81.61	67.85	52.55
247.50	62.88	62.99	65.97	68.69	64.04	76.68	66.58	51.12
247.60	62.50	62.61	65.40	68.14	65.19	82.86	65.93	50.19
247.70	62.50	62.55	65.61	68.41	67.61	90.89	68.44	49.73
247.70	62.83	62.88	66.79	69.04	69.33	87.42	68.94	50.60
247.80	62.94	62.99	66.50	68.97	66.51	81.78	65.74	49.21
247.90	62.44	62.50	65.10	68.00	63.07	76.48	64.63	47.82
248.00	61.84	61.95	64.75	67.42	64.64	82.13	65.97	48.20
248.10	61.84	61.95	65.03	67.72	66.75	90.45	67.11	47.76
248.10	62.06	62.17	66.10	68.25	68.54	87.47	67.50	48.33
248.20	62.22	62.33	66.14	68.35	66.50	81.81	66.18	48.86
248.30	62.28	62.39	65.47	68.04	63.78	76.69	66.68	49.35
248.40	62.22	62.28	65.33	67.83	65.23	81.69	67.47	50.51
248.50	62.61	62.72	65.92	68.61	67.97	90.50	69.79	51.35
248.50	63.16	63.27	67.03	69.46	69.75	88.19	69.38	53.67
248.60	63.27	63.38	66.75	69.44	67.04	82.39	66.18	51.33
248.70	62.83	62.94	65.46	68.53	63.47	76.89	65.39	49.48
248.80	62.39	62.44	65.10	67.88	64.49	81.33	66.33	49.80
248.80	62.44	62.50	65.38	68.24	67.15	90.06	68.74	49.94
248.90	62.66	62.77	66.31	68.85	69.03	88.06	68.81	50.89
249.00	62.83	62.94	66.36	68.89	66.89	82.31	66.10	49.40
249.10	62.50	62.55	65.26	68.11	63.35	77.07	64.77	47.79
249.20	61.95	62.06	64.79	67.40	64.29	80.65	66.00	48.67
249.20	62.11	62.22	65.42	68.06	67.47	89.76	70.15	50.08
249.30	62.99	63.05	67.12	69.33	70.22	88.61	72.13	54.87
249.40	63.71	63.82	67.58	70.11	68.44	83.00	69.50	55.19
249.50	63.77	63.82	66.43	69.72	64.79	77.69	66.83	53.12
249.50	63.22	63.27	65.59	68.82	64.64	80.65	66.10	51.86
249.60	62.88	62.99	65.39	68.75	66.72	89.48	67.54	51.12
249.70	63.05	63.11	66.27	69.32	68.94	88.40	69.25	53.27
249.80	63.27	63.33	66.55	69.47	67.30	82.63	67.29	52.09
249.90	62.99	63.11	65.39	68.81	63.65	77.22	65.04	50.35
249.90	62.44	62.55	64.79	67.96	63.94	79.75	66.32	50.58
250.00	62.39	62.50	65.01	68.21	66.44	89.00	68.01	50.17
250.10	62.61	62.72	65.97	68.79	68.58	88.61	68.67	51.71
250.20	62.88	62.99	66.42	69.13	67.39	82.89	67.72	52.08
250.30	63.11	63.16	65.93	69.01	64.64	77.66	67.22	52.27

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
250.30	63.16	63.27	65.74	68.91	65.06	79.57	68.69	53.31
250.40	63.55	63.66	66.29	69.60	68.00	89.00	71.49	53.97
250.50	64.10	64.21	67.18	70.50	69.83	89.44	71.00	56.89
250.60	64.15	64.26	67.00	70.43	67.82	83.35	67.50	55.01
250.60	63.66	63.77	65.54	69.52	63.92	77.61	64.64	52.60
250.70	62.99	63.11	64.78	68.63	63.71	78.72	66.35	52.80
250.80	62.83	62.94	64.94	68.76	66.21	88.05	68.11	52.46
250.90	63.05	63.16	65.79	69.35	68.51	88.86	69.28	54.78
251.00	63.22	63.33	66.13	69.50	67.28	82.96	67.26	53.37
251.00	62.99	63.05	65.08	68.84	63.68	77.47	64.31	51.11
251.10	62.39	62.44	64.31	68.00	63.24	78.01	66.15	51.63
251.20	62.44	62.55	64.96	68.50	66.79	87.59	70.75	52.85
251.30	63.38	63.49	66.57	69.86	69.74	89.44	72.79	57.74
251.30	64.21	64.32	67.40	70.79	68.93	83.57	70.68	58.40
251.40	64.49	64.54	66.58	70.67	65.56	78.22	67.90	56.38
251.50	64.04	64.15	65.54	69.84	64.24	78.17	67.22	55.51
251.60	63.71	63.77	65.29	69.61	66.44	87.41	68.78	54.90
251.70	63.77	63.88	65.89	70.11	68.50	89.30	69.81	57.33
251.70	63.93	64.04	66.33	70.33	67.76	83.22	68.42	56.72
251.80	63.71	63.82	65.32	69.75	64.14	77.67	65.32	54.31
251.90	63.11	63.16	64.29	68.83	63.11	77.14	66.34	54.28
252.00	62.77	62.88	64.28	68.78	65.29	86.53	67.18	53.44
252.10	62.99	63.11	65.17	69.36	67.90	89.15	68.96	56.21
252.10	63.44	63.49	66.04	69.94	67.81	83.22	69.19	56.89
252.20	63.66	63.77	65.61	69.89	64.82	77.88	67.44	55.92
252.30	63.60	63.66	64.96	69.50	63.77	76.83	68.24	56.01
252.40	63.71	63.82	65.26	69.88	66.64	86.32	70.26	56.31
252.40	64.21	64.32	66.04	70.73	68.99	89.72	71.19	59.88
252.50	64.54	64.65	66.43	71.18	68.14	83.55	69.01	59.60
252.60	64.32	64.38	65.28	70.51	64.32	77.80	65.72	56.82
252.70	63.71	63.77	64.22	69.61	62.92	76.15	66.78	56.73
252.80	63.49	63.60	64.36	69.47	65.79	85.40	68.68	56.89
252.80	63.71	63.82	65.04	70.11	67.89	89.33	69.57	59.28
252.90	63.99	64.04	65.63	70.54	67.56	83.25	68.27	58.93
253.00	63.77	63.88	64.82	70.00	64.07	77.64	65.54	55.94
253.10	63.27	63.38	63.92	69.20	62.56	75.65	66.54	56.05
253.10	63.33	63.38	64.46	69.35	66.05	84.96	70.04	57.39
253.20	63.93	64.04	65.49	70.51	68.43	89.54	71.53	61.06
253.30	64.65	64.76	66.38	71.53	68.53	83.65	70.59	62.56
253.40	64.87	64.98	65.75	71.50	65.29	78.01	67.79	60.19
253.50	64.60	64.65	64.76	70.72	63.35	75.53	67.83	59.37
253.50	64.38	64.49	64.79	70.59	65.88	84.70	69.54	60.13
253.60	64.54	64.65	65.25	71.18	68.19	89.44	70.92	62.28
253.70	64.93	65.04	66.03	71.80	68.25	83.58	69.75	62.58
253.80	64.87	64.98	65.29	71.39	64.85	77.93	67.00	59.58
253.90	64.43	64.49	64.26	70.50	62.90	75.01	67.58	59.28
253.90	64.10	64.15	64.27	70.29	65.35	83.97	68.29	59.65
254.00	64.21	64.32	64.86	70.79	67.75	89.21	70.32	61.78
254.10	64.76	64.87	66.08	71.69	68.64	83.68	71.31	63.37
254.20	65.15	65.26	65.86	71.83	65.68	78.11	69.10	61.76
254.20	65.20	65.26	65.09	71.50	63.84	74.90	69.82	61.62
254.30	65.26	65.31	65.26	71.61	66.51	83.79	71.25	62.45
254.40	65.76	65.81	66.10	72.53	69.19	89.65	73.46	66.06
254.50	66.31	66.42	66.90	73.35	69.43	84.14	72.14	67.25
254.60	66.36	66.47	66.11	73.10	66.00	78.35	69.00	64.01

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
254.60	65.98	66.03	65.08	72.26	63.65	74.69	69.36	63.26
254.70	65.64	65.70	65.03	72.06	66.10	83.21	70.33	64.22
254.80	65.81	65.87	65.64	72.58	68.69	89.36	72.74	66.55
254.90	66.31	66.42	66.57	73.40	69.10	84.06	71.28	67.60
255.00	66.31	66.42	65.94	73.10	65.82	78.38	68.43	63.88
255.00	65.81	65.92	64.82	72.18	63.33	74.21	68.72	62.94
255.10	65.70	65.76	65.19	72.11	66.33	82.65	71.77	65.14
255.20	66.31	66.36	66.14	73.19	69.19	89.32	74.26	68.68
255.30	67.08	67.14	67.14	74.32	69.83	84.18	73.04	71.32
255.30	67.30	67.41	66.60	74.39	66.88	78.57	70.44	67.89
255.40	67.08	67.19	65.58	73.68	64.26	74.22	70.39	66.47
255.50	67.02	67.08	65.79	73.60	66.86	82.38	72.30	68.79
255.60	67.36	67.41	66.40	74.29	69.38	89.29	74.18	71.08
255.70	67.96	68.02	67.51	75.31	70.48	84.52	73.74	73.04
255.70	68.19	68.24	67.06	75.29	67.34	78.80	70.77	69.51
255.80	67.91	67.96	66.04	74.47	64.67	74.31	71.10	68.04
255.90	67.58	67.63	65.89	74.14	66.50	82.04	70.94	69.33
256.00	67.63	67.74	66.36	74.58	69.11	89.15	73.01	71.11
256.00	68.13	68.19	67.57	75.54	70.65	84.60	74.25	73.89
256.10	68.52	68.63	67.43	75.78	67.93	78.99	72.00	71.24
256.20	68.41	68.52	66.36	75.18	65.04	74.14	71.97	69.50
256.30	68.19	68.24	66.16	74.86	66.94	81.33	72.41	70.79
256.40	68.47	68.58	66.86	75.60	70.11	88.76	75.65	74.25
256.40	69.30	69.36	68.36	76.95	71.88	84.81	76.98	78.21
256.50	69.86	69.92	68.14	77.21	68.80	79.33	73.57	74.60
256.60	69.70	69.75	67.01	76.50	65.75	74.34	72.97	72.30
256.70	69.42	69.53	67.10	76.25	67.88	81.28	73.93	74.61
256.80	69.81	69.86	67.86	77.03	70.93	89.11	76.36	77.35
256.80	70.37	70.48	68.89	78.04	72.07	85.28	75.92	79.81
256.90	70.53	70.59	68.36	77.94	68.91	79.47	72.61	75.10
257.00	70.09	70.14	67.18	76.95	65.86	74.29	72.76	72.44
257.10	69.81	69.86	67.29	76.61	68.13	80.68	74.12	74.97
257.10	70.26	70.31	68.08	77.48	71.21	88.69	76.81	78.31
257.20	70.93	71.04	69.23	78.65	72.63	85.22	77.07	82.74
257.30	71.37	71.49	69.07	79.10	70.11	79.64	75.11	78.86
257.40	71.43	71.49	68.15	78.53	67.11	74.50	75.05	76.16
257.50	71.32	71.37	68.20	78.29	69.19	80.43	76.23	79.11
257.50	71.65	71.71	68.82	79.05	71.76	88.59	77.77	81.82
257.60	72.21	72.27	69.88	80.08	73.39	85.51	78.15	85.43
257.70	72.55	72.60	69.76	80.30	70.87	79.90	76.08	81.10
257.80	72.44	72.49	68.71	79.58	67.51	74.71	75.46	77.76
257.80	71.99	72.04	68.32	79.02	68.64	79.87	74.75	79.69
257.90	71.93	71.99	68.76	79.33	71.76	88.09	77.45	81.93
258.00	72.49	72.60	70.24	80.51	74.08	85.64	79.83	87.00
258.10	73.22	73.27	70.50	81.09	71.71	80.14	77.53	83.21
258.20	73.33	73.39	69.49	80.60	68.52	75.08	77.13	79.76
258.20	73.11	73.16	69.21	80.14	69.69	79.58	76.90	81.65
258.30	73.55	73.67	70.18	81.08	73.53	88.32	80.64	85.86
258.40	74.45	74.50	71.56	82.50	75.51	86.33	81.67	91.47
258.50	74.95	75.06	71.42	82.97	72.79	80.75	78.60	86.82
258.60	74.78	74.84	70.06	82.22	69.03	75.30	77.11	82.14
258.60	74.28	74.34	69.72	81.43	69.97	79.27	77.21	84.51
258.70	74.34	74.39	70.33	82.02	73.56	87.78	80.36	87.86
258.80	75.01	75.12	71.64	83.25	75.49	86.31	81.06	93.14
258.90	75.46	75.51	71.56	83.56	72.88	80.70	77.95	87.69

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
258.90	75.12	75.18	70.33	82.68	69.25	75.38	76.93	82.55
259.00	74.84	74.90	70.33	82.16	70.65	78.69	79.06	85.75
259.10	75.18	75.23	71.11	82.86	74.33	87.48	81.88	89.18
259.20	76.01	76.07	72.40	84.23	76.51	86.49	82.37	95.93
259.30	76.63	76.74	72.60	84.88	74.58	81.11	80.78	91.29
259.30	76.80	76.85	71.62	84.41	70.87	75.91	79.29	86.26
259.40	76.52	76.57	71.29	83.83	71.71	78.61	80.72	89.40
259.50	76.74	76.80	71.90	84.47	75.06	87.38	82.83	92.89
259.60	77.43	77.54	73.18	85.79	77.18	86.79	83.47	98.75
259.70	77.95	78.01	73.39	86.28	75.33	81.35	81.64	93.74
259.70	77.95	78.01	72.45	85.74	71.64	76.19	80.18	88.22
259.80	77.54	77.60	71.87	84.97	71.84	78.24	80.29	90.75
259.90	77.43	77.49	72.20	85.22	75.03	86.85	82.23	93.31
260.00	78.01	78.06	73.67	86.46	78.12	86.82	85.30	100.04
260.00	78.88	78.93	74.38	87.25	76.59	81.58	83.51	96.32
260.10	79.11	79.17	73.39	86.89	72.80	76.65	81.51	90.12
260.20	78.82	78.88	72.82	86.19	72.85	78.02	81.82	92.34
260.30	78.93	78.99	73.38	86.66	76.49	86.87	84.69	96.13
260.40	79.63	79.69	74.69	87.88	79.08	87.21	86.49	103.47
260.40	80.27	80.33	75.00	88.44	77.32	81.83	84.39	99.26
260.50	80.33	80.38	74.00	88.03	73.41	76.73	82.13	92.40
260.60	79.86	79.92	73.31	87.28	73.17	77.58	82.52	94.88
260.70	79.80	79.86	73.92	87.63	76.86	86.26	85.38	98.65
260.70	80.50	80.62	75.26	88.94	79.47	87.24	86.53	105.40
260.80	81.08	81.20	75.57	89.39	77.82	81.89	84.37	100.84
260.90	81.02	81.08	74.53	88.95	74.00	76.82	82.31	93.26
261.00	80.73	80.79	74.24	88.25	74.32	77.14	85.19	96.56
261.10	80.96	81.08	75.00	88.75	78.04	85.97	87.50	100.39
261.10	81.72	81.78	76.18	89.76	80.55	87.46	87.87	107.05
261.20	82.41	82.47	76.82	90.50	79.74	82.23	88.05	104.36
261.30	82.64	82.70	75.78	90.26	75.52	77.22	84.53	96.77
261.40	82.18	82.24	74.97	89.38	74.83	76.84	85.70	99.15
261.50	82.01	82.07	75.19	89.57	77.89	85.32	86.97	102.72
261.50	82.47	82.53	76.27	90.74	80.47	87.17	87.76	108.93
261.60	83.05	83.11	76.96	91.13	79.83	81.91	87.66	105.96
261.70	83.22	83.28	76.19	90.89	75.99	77.01	85.29	98.34
261.80	82.93	82.99	75.51	90.30	75.14	76.37	86.03	100.55
261.80	82.76	82.82	75.72	90.43	78.26	84.76	87.38	103.79
261.90	83.28	83.34	77.19	91.54	81.78	87.19	90.51	110.61
262.00	84.27	84.33	78.35	91.79	81.60	82.25	90.64	109.19
262.10	84.62	84.67	77.42	91.60	77.38	77.44	87.17	100.95
262.20	84.09	84.21	76.20	91.11	75.77	75.98	86.94	101.55
262.20	83.92	83.98	76.56	91.28	79.25	84.26	89.53	105.65
262.30	84.50	84.56	77.75	92.08	82.33	87.10	91.29	112.94
262.40	85.14	85.20	78.39	92.24	81.52	81.98	89.72	111.01
262.50	85.20	85.25	77.33	92.06	77.35	77.06	86.65	102.27
262.50	84.67	84.73	76.37	91.54	75.93	75.13	87.49	103.34
262.60	84.50	84.56	76.86	91.67	79.49	83.27	89.68	107.61
262.70	85.20	85.25	78.33	92.65	82.80	86.92	91.55	114.58
262.80	86.01	86.13	79.24	92.83	82.65	82.10	91.12	113.36
262.90	86.19	86.26	78.34	92.93	78.47	77.28	87.97	104.41
262.90	85.78	85.83	77.47	92.09	77.04	74.92	89.67	104.99
263.00	85.72	85.78	78.02	92.15	80.49	82.91	91.90	109.11
263.10	86.19	86.32	78.98	93.31	83.33	86.82	92.49	115.08
263.20	86.81	86.87	79.74	92.95	83.60	81.93	92.99	115.25

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
263.30	87.12	87.25	79.04	92.82	79.61	77.29	90.20	106.91
263.30	86.81	86.87	78.08	93.01	77.65	74.48	90.79	107.15
263.40	86.50	86.56	78.10	92.88	80.28	82.05	91.07	110.78
263.50	86.81	86.87	79.08	93.49	83.55	86.38	92.74	116.79
263.60	87.56	87.62	80.33	83.81	84.30	81.89	93.65	117.43
263.60	88.11	88.17	80.01	83.36	80.75	77.39	92.01	109.41
263.70	87.93	87.99	79.05	89.91	78.61	74.39	91.91	108.90
263.80	87.68	87.74	79.18	91.50	81.25	81.84	92.42	112.43
263.90	88.05	88.11	80.28	83.65	84.91	86.50	95.24	118.48
264.00	88.92	88.98	81.66	83.93	85.79	82.22	95.85	120.30
264.00	89.41	89.47	81.05	83.95	81.90	77.66	93.31	111.42
264.10	88.92	88.98	79.61	83.39	79.00	74.08	92.56	109.38
264.20	88.36	88.42	79.49	86.37	81.61	80.87	93.95	113.18
264.30	88.86	88.92	80.82	83.45	85.40	86.01	96.46	120.24
264.40	89.66	89.72	81.86	84.08	85.99	81.84	95.50	122.07
264.40	89.91	89.91	81.02	84.00	81.92	77.34	92.42	112.62
264.50	89.35	89.41	79.77	83.47	79.17	73.56	92.40	110.62
264.60	89.04	89.10	80.01	83.27	81.86	80.08	93.53	115.06
264.70	89.60	89.66	81.30	83.66	85.87	85.63	96.61	121.53
264.70	90.53	90.65	82.76	84.45	87.16	82.05	97.06	124.47
264.80	90.96	91.02	82.18	84.44	83.19	77.65	93.75	114.89
264.90	90.65	90.71	81.14	84.06	80.54	73.74	95.05	112.47
265.00	90.34	90.40	81.22	83.87	83.01	79.74	96.09	116.48
265.10	90.65	90.71	82.09	84.06	86.54	85.47	98.08	121.74
265.10	91.27	91.33	83.27	84.63	87.98	81.90	98.95	125.72
265.20	91.83	91.83	83.02	84.74	84.59	77.63	97.12	117.16
265.30	91.64	91.70	81.82	84.41	81.38	73.52	96.54	114.33
265.40	91.21	91.27	81.60	84.15	83.16	78.87	95.86	117.97
265.40	91.27	91.33	82.22	84.27	86.34	84.79	96.85	123.06
265.50	91.83	91.89	83.50	84.84	88.16	81.68	98.41	127.62
265.60	92.26	92.32	83.22	84.91	84.73	77.40	96.48	118.67
265.70	92.14	92.14	82.12	84.64	81.63	73.38	96.67	115.03
265.80	91.70	91.70	81.90	84.26	83.30	78.20	96.15	118.75
265.80	91.83	91.89	82.78	84.41	87.22	84.30	99.08	124.08
265.90	92.63	92.69	84.32	85.11	89.13	81.71	100.39	129.84
266.00	93.25	93.31	84.17	85.32	86.02	77.62	98.31	120.69
266.10	93.00	93.06	82.81	84.83	82.37	73.50	98.06	115.66
266.20	92.44	92.44	82.43	84.41	83.83	77.29	97.90	119.23
266.20	92.63	92.69	83.43	84.69	87.70	83.72	100.39	125.26
266.30	93.31	93.37	84.68	85.20	89.53	81.53	100.90	131.38
266.40	93.74	93.81	84.40	85.34	86.35	77.33	98.13	122.14
266.50	93.44	93.50	82.97	85.08	82.53	73.24	97.74	116.57
266.50	92.88	92.94	82.63	84.64	83.75	76.36	97.10	120.41
266.60	92.94	93.00	83.41	84.70	87.30	82.99	99.10	125.64
266.70	93.62	93.68	84.82	85.27	89.62	81.32	100.62	132.55
266.80	94.18	94.24	84.78	85.48	86.94	77.34	98.48	123.77
266.90	94.12	94.18	83.72	85.23	83.39	73.50	99.26	117.80
266.90	93.68	93.74	83.39	84.85	84.40	75.87	98.74	121.11
267.00	93.68	93.74	84.06	84.85	87.93	82.69	100.85	125.30
267.10	94.12	94.18	85.16	85.29	90.12	81.21	101.87	132.15
267.20	94.67	94.67	85.36	85.58	87.90	77.28	100.62	125.10
267.20	94.61	94.67	84.17	85.37	83.95	73.30	99.92	118.68
267.30	94.12	94.18	83.61	84.93	84.50	74.99	98.92	121.94
267.40	94.05	94.12	84.21	84.99	87.81	81.93	100.12	126.39
267.50	94.55	94.61	85.38	85.43	90.11	81.30	101.29	133.20

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
267.60	95.12	95.19	85.68	85.71	88.33	77.33	100.43	126.77
267.60	95.05	95.12	84.45	85.46	84.18	73.40	99.69	119.20
267.70	94.61	94.61	83.97	85.10	84.64	74.58	99.05	122.63
267.80	94.55	94.61	84.55	85.13	88.19	81.56	101.04	127.02
267.90	95.12	95.19	85.91	85.65	90.74	81.53	102.45	133.90
268.00	95.80	95.87	86.43	86.10	89.45	77.59	102.12	128.31
268.00	95.73	95.80	85.15	85.74	84.98	73.75	100.37	119.54
268.10	95.05	95.05	84.30	85.18	84.86	73.71	100.32	122.24
268.20	94.86	94.92	84.86	85.14	88.50	80.91	102.35	127.40
268.30	95.53	95.59	86.26	85.71	91.10	81.60	103.11	134.14
268.30	96.27	96.34	86.91	86.29	90.04	77.90	102.34	129.74
268.40	96.27	96.27	85.66	85.95	85.44	74.09	100.12	120.36
268.50	95.59	95.66	84.84	85.60	85.18	73.52	100.23	123.29
268.60	95.39	95.46	85.13	85.51	88.33	80.58	101.21	127.60
268.70	95.80	95.87	86.32	85.93	90.93	81.79	102.20	134.24
268.70	96.48	96.55	87.00	86.37	90.35	78.11	101.96	130.90
268.80	96.48	96.55	85.80	86.08	85.74	74.25	99.69	120.75
268.90	96.00	96.00	85.16	85.73	85.33	73.37	100.94	123.17
269.00	95.80	95.87	85.60	85.69	88.63	80.48	102.88	127.03
269.00	96.21	96.27	86.78	86.10	91.62	82.12	104.29	133.51
269.10	96.89	96.95	87.68	86.60	91.48	78.44	104.80	131.93
269.20	97.09	97.16	86.74	86.45	87.02	74.70	101.73	121.76
269.30	96.61	96.68	85.88	86.15	86.05	73.25	102.18	123.95
269.40	96.27	96.34	86.03	85.99	88.78	80.26	102.34	127.73
269.40	96.61	96.61	87.10	86.35	91.66	82.75	103.49	134.03
269.50	97.16	97.23	87.85	86.88	91.59	78.89	103.73	132.99
269.60	97.23	97.29	86.72	86.65	86.94	75.10	100.52	121.97
269.70	96.55	96.61	85.53	86.14	85.42	72.91	100.60	123.49
269.80	96.07	96.14	85.60	85.90	88.13	79.62	101.47	127.21
269.80	96.27	96.34	86.69	86.17	91.30	82.80	103.61	133.26
269.90	97.02	97.09	87.82	86.86	92.00	79.19	104.60	133.50
270.00	97.23	97.29	86.93	86.65	87.65	75.37	101.78	122.78
270.10	96.68	96.68	85.86	86.24	85.80	72.66	102.55	122.86
270.10	96.21	96.27	85.96	85.98	88.60	79.32	103.29	127.02
270.20	96.55	96.61	87.01	86.38	91.63	83.25	104.13	133.04
270.30	97.16	97.23	88.01	87.00	92.19	79.68	104.32	133.87
270.40	97.29	97.36	87.11	86.84	87.83	75.97	101.09	123.24
270.50	96.75	96.82	85.96	86.47	85.63	72.86	101.47	122.88
270.50	96.21	96.21	85.76	86.12	87.85	79.02	101.65	126.58
270.60	96.27	96.34	86.58	86.35	90.92	83.32	102.51	132.22
270.70	96.75	96.82	87.49	86.88	91.78	79.87	103.24	134.20
270.80	96.89	96.95	86.70	86.72	87.53	75.99	100.43	123.41
270.90	96.41	96.41	85.58	86.27	85.19	72.82	101.26	121.71
270.90	95.93	96.00	85.63	86.00	87.72	78.95	102.42	125.07
271.00	96.07	96.14	86.54	86.20	91.15	83.73	104.57	130.67
271.10	96.61	96.68	87.68	86.81	92.25	80.43	104.86	133.99
271.20	96.89	96.95	87.08	86.84	88.30	76.60	101.69	123.98
271.20	96.34	96.34	85.73	86.38	85.34	73.02	101.78	121.23
271.30	95.73	95.80	85.59	86.10	87.35	78.66	101.55	124.95
271.40	95.80	95.87	86.37	86.28	90.55	84.06	102.62	130.25
271.50	96.27	96.34	87.29	86.82	91.74	80.96	103.18	134.06
271.60	96.48	96.55	86.67	86.79	88.00	76.97	100.86	123.98
271.60	95.87	95.87	85.08	86.25	84.52	73.06	100.05	120.28
271.70	95.05	95.12	84.67	85.83	86.23	77.88	100.02	123.57
271.80	94.98	95.12	85.52	85.91	89.76	83.87	102.35	128.76

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
271.90	95.59	95.66	86.82	86.49	91.60	81.32	103.43	133.72
271.90	96.07	96.07	86.61	86.64	88.32	77.48	101.68	124.04
272.00	95.59	95.59	85.13	86.10	84.69	73.57	101.46	119.12
272.10	94.80	94.80	84.66	85.71	86.16	77.76	100.66	122.48
272.20	94.67	94.74	85.39	85.80	89.47	84.13	102.08	127.46
272.30	95.19	95.25	86.63	86.38	91.36	81.95	103.11	133.01
272.30	95.59	95.66	86.39	86.61	88.09	78.08	100.48	123.53
272.40	95.05	95.12	84.73	86.12	84.07	74.02	99.44	118.06
272.50	94.30	94.30	84.10	85.69	85.16	77.52	98.49	121.36
272.60	94.12	94.18	84.66	85.71	88.47	84.18	100.18	126.20
272.70	94.36	94.43	85.58	86.08	90.20	82.16	100.94	131.99
272.70	94.61	94.67	85.33	86.15	87.16	78.21	98.66	122.66
272.80	94.18	94.24	83.84	85.72	83.23	74.18	98.31	116.48
272.90	93.50	93.56	83.37	85.27	84.26	77.34	98.22	119.14
273.00	93.37	93.44	84.13	85.26	88.11	84.30	101.21	123.88
273.00	93.68	93.74	85.16	85.76	89.90	82.69	101.44	130.37
273.10	93.99	94.05	85.15	85.95	87.31	78.63	99.13	122.06
273.20	93.68	93.74	83.89	85.58	83.40	74.72	98.66	115.43
273.30	93.06	93.13	83.43	85.25	84.21	77.25	97.87	118.72
273.40	92.94	93.00	83.91	85.30	87.30	84.65	98.51	122.82
273.40	93.19	93.19	84.74	85.70	89.27	83.55	99.23	129.30
273.50	93.44	93.50	84.69	85.93	86.91	79.29	97.99	121.76
273.60	93.06	93.13	83.21	88.52	82.60	75.06	96.44	114.09
273.70	92.20	92.20	82.35	90.41	82.80	76.78	95.89	116.79
273.70	91.76	91.83	82.61	90.66	85.96	84.33	96.92	120.63
273.80	92.01	92.07	83.63	91.21	88.40	83.88	98.59	127.48
273.90	92.51	92.57	84.08	85.53	86.86	79.66	98.58	121.19
274.00	92.26	92.26	82.63	91.07	82.20	75.44	96.28	112.46
274.10	91.33	91.33	81.75	90.14	82.09	76.51	95.78	114.57
274.10	90.90	90.96	82.23	91.82	85.58	84.32	97.23	118.73
274.20	91.27	91.33	83.43	90.64	87.98	84.61	98.19	125.47
274.30	91.83	91.89	83.83	88.18	86.51	80.46	97.06	119.79
274.40	91.58	91.58	82.33	91.46	81.73	76.06	94.09	110.98
274.50	90.71	90.77	81.37	92.82	81.44	76.61	94.01	113.59
274.50	90.34	90.40	81.66	94.34	84.57	84.46	95.50	117.46
274.60	90.59	90.65	82.63	95.54	86.97	85.14	96.00	123.77
274.70	90.84	90.90	82.72	96.14	85.24	80.68	94.56	118.43
274.80	90.40	90.46	81.11	96.18	80.57	76.12	91.76	109.03
274.80	89.66	89.72	80.36	95.56	80.37	76.33	93.38	111.09
274.90	89.47	89.54	81.00	96.02	84.13	84.63	96.24	114.91
275.00	89.66	89.72	81.86	96.68	86.32	85.69	95.75	121.10
275.10	89.85	89.91	82.21	96.98	85.01	81.07	94.84	116.73
275.20	89.60	89.72	81.11	96.89	80.73	76.74	92.00	107.45
275.20	88.92	88.98	80.22	95.82	80.06	76.28	92.90	109.87
275.30	88.55	88.61	80.39	95.69	82.91	84.56	93.12	113.11
275.40	88.67	88.73	81.13	96.70	85.32	86.34	93.58	119.41
275.50	88.98	89.04	81.61	97.30	84.58	81.50	93.89	115.97
275.60	88.79	88.86	80.42	96.59	80.10	76.94	90.57	106.55
275.60	87.93	87.99	79.16	94.84	78.72	75.79	90.89	108.00
275.70	87.25	87.37	79.05	94.66	81.40	84.06	91.34	110.80
275.80	87.31	87.37	79.91	95.46	84.33	86.53	93.06	117.19
275.90	87.99	88.05	81.10	95.85	84.68	82.07	95.18	115.33
275.90	88.11	88.17	80.06	95.61	80.02	77.56	90.40	105.47
276.00	87.18	87.25	78.73	94.33	78.30	76.00	90.74	105.55
276.10	86.50	86.56	78.82	93.95	81.28	84.23	92.00	108.65

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
276.20	86.75	86.87	79.99	95.06	84.30	87.55	93.38	114.97
276.30	87.31	87.37	80.74	95.82	83.88	82.78	92.72	112.97
276.30	87.12	87.18	79.50	95.16	79.30	78.04	88.65	103.84
276.40	86.13	86.19	77.94	93.46	77.18	75.81	88.50	103.77
276.50	85.49	85.54	77.85	93.06	79.81	83.90	89.30	106.92
276.60	85.72	85.78	78.85	94.11	82.99	87.69	91.39	112.80
276.60	85.95	86.01	79.31	94.70	82.33	82.71	90.01	110.97
276.70	85.66	85.72	78.02	93.88	77.98	77.87	86.68	101.97
276.80	84.96	84.96	76.91	92.33	76.25	75.57	87.57	101.26
276.90	84.73	84.79	77.54	92.31	79.78	84.20	90.33	104.31
277.00	84.96	85.02	78.43	93.13	82.63	88.50	90.99	109.94
277.00	85.25	85.31	79.17	93.89	82.42	83.58	90.43	108.99
277.10	85.14	85.20	78.33	93.36	78.52	78.84	87.77	100.72
277.20	84.50	84.56	77.19	92.02	76.38	76.01	87.74	100.01
277.30	84.04	84.09	77.23	91.57	78.97	84.29	88.21	102.88
277.40	84.09	84.15	77.90	92.33	81.65	89.03	89.11	107.87
277.40	84.33	84.38	78.51	92.98	81.71	83.97	88.92	107.76
277.50	84.27	84.33	77.74	92.57	78.04	79.01	86.75	99.94
277.60	83.69	83.75	76.54	91.22	75.67	75.81	87.11	98.46
277.70	82.93	82.99	76.18	90.42	77.71	83.80	86.61	100.39
277.70	82.82	82.88	76.67	90.90	80.48	89.15	87.69	105.08
277.80	83.22	83.28	77.86	91.95	81.67	84.53	89.61	106.38
277.90	83.46	83.51	77.31	91.71	77.89	79.60	86.46	98.40
278.00	82.70	82.76	75.89	90.13	74.96	75.87	85.79	95.58
278.10	81.95	82.01	75.74	89.39	77.28	83.86	86.32	97.84
278.10	82.01	82.12	76.67	90.13	80.54	89.75	88.69	102.92
278.20	82.47	82.53	77.65	91.09	81.08	85.17	88.36	103.84
278.30	82.47	82.53	76.88	90.68	77.24	80.01	84.96	96.35
278.40	81.72	81.83	75.32	89.25	74.17	75.97	84.07	93.72
278.40	80.96	81.02	74.97	88.42	76.23	83.49	84.65	96.29
278.50	81.20	81.25	76.10	89.30	80.03	89.87	88.54	101.17
278.60	81.66	81.72	76.90	90.17	80.21	85.50	86.80	102.04
278.70	81.37	81.49	75.80	89.50	76.17	80.08	82.94	94.39
278.80	80.50	80.56	74.18	87.90	72.97	75.76	82.22	91.07
278.80	79.98	80.04	74.32	87.39	75.63	83.47	84.61	93.07
278.90	80.04	80.09	74.99	87.86	78.65	90.02	85.53	97.13
279.00	80.15	80.21	75.72	88.51	79.10	85.56	85.13	98.49
279.10	79.98	80.04	75.04	87.98	75.58	80.23	82.72	91.73
279.20	79.34	79.40	73.73	86.70	72.53	75.74	82.09	88.93
279.20	78.64	78.76	73.51	85.93	74.43	82.95	82.28	90.94
279.30	78.59	78.70	74.06	86.40	77.33	89.92	83.93	94.65
279.40	78.88	78.93	74.99	87.19	78.32	85.60	84.20	96.90
279.50	78.99	79.05	74.66	87.13	75.43	80.29	82.94	91.01
279.50	78.59	78.64	73.42	85.96	72.28	75.78	82.36	87.60
279.60	77.77	77.83	72.83	84.90	73.58	82.58	81.21	88.72
279.70	77.43	77.49	72.87	84.98	75.86	89.78	81.38	91.22
279.80	77.49	77.54	73.76	85.64	77.38	85.69	82.72	94.46
279.90	77.54	77.66	73.35	85.54	74.28	80.36	80.49	88.36
279.90	76.91	76.96	71.96	84.10	70.76	75.40	79.65	83.91
280.00	76.07	76.13	71.57	83.15	72.27	81.92	79.76	85.36
280.10	75.85	75.96	72.04	83.43	75.14	89.54	81.54	88.36
280.20	76.18	76.24	73.18	84.28	76.69	85.88	82.54	91.25
280.30	76.29	76.35	72.79	84.15	73.56	80.49	79.56	85.58
280.30	75.73	75.79	71.40	82.93	70.03	75.46	78.49	81.89
280.40	75.06	75.12	71.06	82.14	71.71	81.44	79.02	83.94

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
280.50	75.23	75.29	71.90	82.73	75.34	89.60	82.71	86.81
280.60	75.62	75.68	72.79	83.54	76.01	86.36	81.21	89.61
280.60	75.34	75.46	71.86	83.05	72.40	80.61	77.10	83.65
280.70	74.45	74.50	70.06	81.53	68.52	75.14	75.74	79.00
280.80	73.67	73.78	69.75	80.60	70.33	80.79	77.32	80.29
280.90	73.67	73.72	70.39	80.99	73.44	89.01	79.78	82.89
281.00	73.89	73.95	71.39	81.69	74.73	86.04	79.57	85.57
281.00	73.83	73.95	71.08	81.49	71.96	80.51	76.97	80.71
281.10	73.33	73.39	69.77	80.36	68.41	75.43	76.00	76.70
281.20	72.77	72.83	69.60	79.62	69.75	80.74	76.31	78.61
281.30	72.66	72.77	69.97	79.83	72.51	89.18	77.68	80.39
281.30	72.88	72.94	70.88	80.58	74.17	86.44	78.48	83.81
281.40	73.05	73.11	70.83	80.74	71.88	80.84	77.01	79.82
281.50	72.77	72.83	69.77	79.74	68.52	75.83	76.57	75.63
281.60	71.93	72.04	68.90	78.57	68.82	80.28	74.72	76.18
281.70	71.37	71.43	68.59	78.35	70.76	88.58	74.91	76.71
281.70	71.26	71.32	69.37	78.84	72.88	86.14	77.29	81.35
281.80	71.49	71.54	69.49	79.06	70.82	80.51	75.54	77.15
281.90	71.21	71.26	68.48	78.12	67.34	75.42	74.48	72.53
282.00	70.48	70.59	67.94	77.13	68.04	79.62	74.47	73.45
282.10	70.37	70.42	68.36	77.29	70.82	88.54	76.23	74.59
282.10	70.65	70.70	69.48	78.05	72.83	86.83	77.20	78.27
282.20	70.93	70.98	69.71	78.33	70.93	81.26	75.24	74.55
282.30	70.53	70.59	68.31	77.28	67.06	75.97	73.04	70.50
282.40	69.81	69.92	67.72	76.33	67.48	79.47	73.19	71.93
282.40	69.92	70.03	68.44	76.81	71.18	88.64	77.44	73.40
282.50	70.31	70.37	69.36	77.54	72.44	87.28	76.44	76.58
282.60	70.03	70.14	68.61	77.17	69.44	81.18	71.79	72.15
282.70	69.08	69.14	66.67	75.70	65.13	75.49	69.08	67.42
282.80	68.19	68.30	66.13	74.65	65.89	78.39	71.40	68.00
282.80	68.24	68.35	66.92	75.07	69.44	87.78	75.43	69.76
282.90	68.69	68.80	68.11	75.89	71.29	87.00	75.10	72.77
283.00	68.80	68.86	68.19	75.90	69.31	81.25	72.60	69.79
283.10	68.41	68.47	67.06	74.97	65.75	76.04	70.65	65.52
283.10	67.80	67.85	66.44	74.06	66.04	78.58	71.51	66.72
283.20	67.69	67.74	66.84	74.25	68.76	87.97	73.47	67.47
283.30	67.96	68.02	67.79	74.94	70.93	87.47	74.35	70.99
283.40	68.24	68.35	68.28	75.38	69.78	81.76	73.53	69.00
283.50	68.24	68.30	67.46	74.80	66.37	76.58	71.61	65.26
283.50	67.52	67.58	66.45	73.67	65.71	78.40	70.72	64.97
283.60	66.91	66.97	66.01	73.31	67.48	87.49	70.55	64.28
283.70	66.69	66.80	66.56	73.72	69.82	87.31	72.51	68.66
283.80	66.97	67.02	67.14	74.15	68.83	81.54	71.90	67.01
283.90	66.91	67.02	66.38	73.51	65.36	76.35	69.46	62.74
283.90	66.25	66.36	65.54	72.44	64.81	77.89	69.50	62.51
284.00	65.92	66.03	65.67	72.36	67.47	87.25	71.50	62.44
284.10	66.14	66.20	66.65	72.91	69.69	87.86	72.47	65.50
284.20	66.31	66.36	66.93	73.14	68.35	82.02	70.29	63.50
284.20	66.03	66.09	65.97	72.44	64.84	76.59	67.78	60.28
284.30	65.48	65.59	65.29	71.61	64.43	77.57	69.07	61.06
284.40	65.59	65.70	66.01	71.97	68.11	87.18	73.50	61.85
284.50	65.98	66.09	66.86	72.65	69.72	88.33	72.50	64.50
284.60	65.98	66.03	66.71	72.63	67.96	82.31	69.11	62.30
284.60	65.31	65.42	65.22	71.69	63.87	76.61	65.17	58.90
284.70	64.49	64.60	64.24	70.64	63.21	76.86	66.35	58.33

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
284.80	64.49	64.60	64.90	70.89	66.61	86.54	70.60	59.19
284.90	64.93	65.04	65.97	71.61	68.75	88.36	70.69	61.89
284.90	65.09	65.15	66.39	71.82	67.87	82.40	69.19	60.38
285.00	64.76	64.82	65.33	71.01	64.19	76.92	65.99	57.09
285.10	64.04	64.15	64.42	69.97	63.28	76.76	66.96	57.09
285.20	63.88	63.93	64.67	69.96	66.15	86.45	69.20	57.07
285.30	64.15	64.21	65.63	70.65	68.57	88.61	70.51	60.14
285.30	64.60	64.65	66.51	71.26	68.39	82.79	70.33	60.15
285.40	64.76	64.87	66.08	71.10	65.25	77.64	68.19	57.56
285.50	64.32	64.43	65.14	70.18	63.90	76.96	67.93	56.85
285.60	63.93	63.99	64.95	70.01	66.32	86.42	68.65	55.99
285.70	63.99	64.10	65.54	70.51	68.26	89.08	69.25	58.78
285.70	64.21	64.26	66.19	71.01	67.96	83.03	68.66	58.89
285.80	64.21	64.26	65.62	70.58	64.83	77.78	66.92	56.01
285.90	63.71	63.82	64.75	69.57	63.46	76.71	66.97	55.19
286.00	63.49	63.55	64.79	69.51	65.71	86.25	68.04	54.67
286.00	63.60	63.71	65.56	70.01	68.17	89.49	69.64	57.08
286.10	63.88	63.99	66.39	70.40	68.11	83.60	68.88	56.31
286.20	63.77	63.82	65.58	69.85	64.62	78.14	65.78	53.82
286.30	63.22	63.33	64.65	68.97	63.19	76.57	66.48	53.64
286.40	63.22	63.27	65.08	69.12	66.33	86.07	70.01	54.13
286.40	63.60	63.71	66.00	69.89	68.67	90.08	70.50	56.74
286.50	63.93	63.99	66.53	70.31	68.19	84.07	67.96	56.43
286.60	63.66	63.71	65.52	69.79	64.57	78.46	64.79	54.14
286.70	62.94	62.99	64.29	68.79	62.49	76.18	64.25	52.54
286.80	62.66	62.77	64.50	68.85	65.53	85.64	67.60	52.56
286.80	63.05	63.16	65.50	69.47	68.13	90.15	69.44	54.69
286.90	63.44	63.49	66.38	69.88	68.20	84.28	68.33	54.27
287.00	63.27	63.38	65.56	69.39	64.65	78.81	64.96	51.76
287.10	62.66	62.77	64.61	68.36	62.74	76.20	65.50	50.89
287.10	62.44	62.55	64.74	68.32	65.59	85.61	68.07	51.10
287.20	62.72	62.83	65.63	68.96	68.31	90.53	69.98	52.52
287.30	63.27	63.38	66.81	69.68	68.90	84.84	69.57	53.33
287.40	63.44	63.49	66.32	69.51	65.65	79.56	66.85	52.17
287.50	63.05	63.11	65.26	68.65	63.50	76.56	66.46	51.43
287.50	62.66	62.72	64.98	68.46	65.56	85.44	66.78	51.04
287.60	62.72	62.83	65.40	68.89	67.68	90.87	67.39	52.87
287.70	62.88	62.99	66.18	69.43	68.07	85.07	66.42	53.39
287.80	62.77	62.88	65.51	68.96	64.85	79.46	64.21	50.83
287.80	62.22	62.33	64.39	67.99	62.58	76.11	64.61	49.13
287.90	61.89	61.95	64.44	67.75	64.72	85.04	65.13	48.67
288.00	61.89	62.00	64.86	68.08	67.03	90.68	66.74	48.97
288.10	62.22	62.28	65.90	68.57	67.95	85.19	66.94	49.36
288.20	62.33	62.39	65.61	68.43	65.06	79.88	64.78	48.24
288.20	62.00	62.11	64.75	67.64	62.83	76.25	65.18	47.76
288.30	61.95	62.00	65.00	67.62	65.75	84.92	67.72	48.73
288.40	62.39	62.50	65.86	68.46	68.32	91.42	69.39	50.53
288.50	62.88	62.94	66.78	69.15	68.89	86.01	67.79	51.70
288.60	62.88	62.99	66.25	69.00	65.64	80.44	64.67	51.03
288.60	62.33	62.39	64.76	67.94	62.67	76.29	63.47	49.21
288.70	61.78	61.89	64.52	67.49	64.82	84.51	64.51	48.58
288.80	61.78	61.89	64.86	67.85	66.86	91.08	65.83	47.97
288.90	61.95	62.06	65.82	68.19	67.82	85.90	65.64	47.96
288.90	61.89	61.95	65.33	67.87	64.79	80.32	63.03	46.38
289.00	61.28	61.39	64.07	66.86	61.99	75.99	62.89	45.69

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
289.10	61.06	61.17	64.32	66.76	64.61	84.07	65.38	46.89
289.20	61.39	61.50	65.04	67.40	67.26	91.22	67.38	47.58
289.30	61.95	62.06	66.38	68.19	68.72	86.42	67.32	47.96
289.30	62.28	62.33	66.35	68.32	66.19	81.13	65.86	47.83
289.40	62.17	62.22	65.39	67.72	63.53	76.65	65.84	47.72
289.50	61.89	62.00	65.19	67.47	65.21	84.28	65.42	47.99
289.60	62.06	62.17	65.53	68.00	67.47	91.69	66.29	48.69
289.60	62.28	62.39	66.38	68.53	68.32	87.00	65.11	49.44
289.70	62.06	62.11	65.61	68.04	65.12	81.18	62.23	46.90
289.80	61.39	61.50	64.36	66.97	62.15	76.26	62.39	45.46
289.90	60.90	60.95	64.11	66.45	64.08	83.44	63.09	45.72
290.00	60.95	61.06	64.49	66.83	66.43	91.06	64.92	46.06
290.00	61.28	61.39	65.78	67.47	68.18	86.90	65.51	46.40
290.10	61.50	61.61	65.65	67.51	65.44	81.44	62.76	46.01
290.20	61.17	61.23	64.45	66.66	62.31	76.46	62.40	45.29
290.30	60.90	60.95	64.57	66.39	64.70	83.36	65.44	46.42
290.40	61.34	61.45	65.38	67.22	67.50	91.43	67.40	47.26
290.40	61.95	62.06	66.67	68.14	69.00	87.72	66.69	47.96
290.50	62.11	62.22	66.32	68.18	66.22	82.13	63.72	47.87
290.60	61.78	61.89	65.14	67.43	63.06	76.91	63.30	47.08
290.70	61.28	61.39	64.58	66.81	64.03	83.07	62.80	46.40
290.70	61.17	61.28	64.76	67.00	66.64	91.18	65.06	46.12
290.80	61.50	61.61	66.06	67.64	68.44	87.72	65.56	46.37
290.90	61.73	61.78	65.96	67.65	65.98	82.16	62.95	45.94
291.00	61.34	61.39	64.73	66.76	62.59	76.89	62.39	45.11
291.10	61.01	61.06	64.68	66.38	64.24	82.77	64.07	45.92
291.10	61.17	61.23	64.96	66.85	66.62	91.25	64.76	46.09
291.20	61.45	61.56	66.17	67.51	68.61	88.26	65.42	46.04
291.30	61.73	61.84	66.50	67.68	66.68	82.72	64.47	46.24
291.40	61.73	61.78	65.57	67.28	63.60	77.53	64.35	46.03
291.50	61.34	61.45	65.04	66.74	64.25	82.43	63.72	45.92
291.50	61.45	61.56	65.38	67.28	67.04	91.11	65.58	46.74
291.60	61.95	62.06	66.67	68.14	69.05	88.75	65.92	47.88
291.70	62.06	62.11	66.40	68.04	66.43	83.01	62.93	46.02
291.80	61.67	61.78	65.36	67.25	63.28	77.68	63.28	45.39
291.80	61.34	61.45	65.10	66.79	64.38	82.16	64.17	46.28
291.90	61.56	61.67	65.43	67.19	66.97	91.04	65.88	46.78
292.00	61.95	62.06	66.78	68.01	69.39	89.09	67.22	47.08
292.10	62.28	62.39	67.00	68.22	67.36	83.61	64.40	46.80
292.20	62.06	62.11	65.90	67.49	63.82	78.38	63.11	45.93
292.20	61.61	61.73	65.49	66.89	64.76	82.08	65.06	46.47
292.30	61.89	62.00	66.10	67.60	67.76	91.19	67.43	47.47
292.40	62.50	62.61	67.39	68.56	69.88	89.79	67.61	47.99
292.50	62.72	62.77	67.41	68.75	67.77	83.93	65.00	48.11
292.50	62.50	62.61	66.32	68.19	64.34	78.57	63.67	47.47
292.60	62.06	62.11	65.56	67.43	64.27	81.70	63.37	46.81
292.70	61.84	61.95	65.60	67.47	66.92	90.62	65.72	46.70
292.80	62.17	62.28	66.78	68.18	69.38	89.74	67.10	47.22
292.90	62.50	62.55	67.19	68.47	67.78	84.06	65.21	47.17
292.90	62.33	62.44	66.21	67.85	64.29	78.85	63.40	46.42
293.00	61.95	62.06	65.71	67.28	64.75	81.44	65.13	46.90
293.10	62.06	62.17	66.10	67.69	67.47	90.75	66.81	47.37
293.20	62.50	62.61	67.32	68.43	69.93	90.49	67.68	47.64
293.30	62.88	62.99	68.00	68.88	68.80	84.89	66.76	47.86
293.30	62.99	63.11	67.21	68.57	65.47	79.58	65.29	47.62

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
293.40	62.72	62.83	66.47	68.06	65.13	81.32	65.54	47.60
293.50	62.72	62.83	66.54	68.36	67.68	90.53	66.68	48.05
293.60	63.05	63.16	67.60	69.17	70.08	90.85	68.07	49.62
293.60	63.16	63.27	67.65	69.22	68.24	84.82	65.19	47.78
293.70	62.77	62.88	66.42	68.35	64.56	79.29	62.89	46.60
293.80	62.22	62.33	65.75	67.50	64.40	80.57	64.43	46.92
293.90	62.17	62.28	65.93	67.75	67.18	90.00	66.75	47.48
294.00	62.55	62.66	67.04	68.43	69.54	90.89	67.49	47.88
294.00	62.83	62.94	67.54	68.76	68.47	85.11	65.57	47.72
294.10	62.72	62.83	66.71	68.29	64.96	79.75	63.19	46.90
294.20	62.28	62.39	65.97	67.49	64.63	80.46	65.01	47.06
294.30	62.39	62.50	66.49	67.97	68.19	89.94	68.88	48.41
294.30	63.11	63.22	68.00	69.15	70.75	91.50	70.44	49.76
294.40	63.66	63.77	68.54	69.76	69.50	85.75	67.71	50.24
294.50	63.49	63.60	67.36	69.24	65.74	80.17	64.49	49.37
294.60	62.99	63.05	66.27	68.36	64.64	80.08	64.65	48.56
294.70	62.61	62.72	66.03	68.18	67.00	89.30	65.79	47.93
294.70	62.61	62.72	66.64	68.54	68.97	91.11	66.75	47.67
294.80	62.77	62.88	67.26	68.83	68.42	85.22	65.86	47.57
294.90	62.61	62.72	66.36	68.25	64.85	79.82	63.24	46.69
295.00	62.06	62.17	65.42	67.32	63.96	79.28	64.44	46.83
295.10	61.95	62.06	65.64	67.47	66.79	88.75	66.35	47.35
295.10	62.33	62.39	66.68	68.25	69.35	91.51	67.76	47.89
295.20	62.83	62.94	67.78	68.82	69.25	85.72	67.75	48.33
295.30	63.11	63.16	67.29	68.76	66.06	80.37	65.99	48.23
295.40	62.99	63.05	66.50	68.29	64.81	79.30	66.50	48.92
295.40	62.94	63.05	66.47	68.51	67.17	88.68	67.07	49.24
295.50	63.22	63.33	67.25	69.21	69.79	91.96	69.00	51.28
295.60	63.55	63.60	67.73	69.63	68.98	85.96	66.52	50.18
295.70	63.16	63.27	66.53	68.85	65.11	80.18	63.53	48.06
295.80	62.44	62.55	65.40	67.78	63.55	78.43	64.39	47.49
295.80	62.17	62.28	65.42	67.68	66.33	87.75	65.96	47.56
295.90	62.28	62.39	66.09	68.16	68.54	91.57	67.03	47.85
296.00	62.55	62.66	66.88	68.56	68.31	85.63	65.90	47.69
296.10	62.44	62.50	66.06	68.11	64.83	80.07	62.97	46.68
296.10	61.95	62.06	65.19	67.28	63.40	78.13	64.43	46.81
296.20	62.00	62.11	65.64	67.51	66.63	87.42	68.07	48.37
296.30	62.61	62.72	66.71	68.61	69.43	91.89	70.13	50.58
296.40	63.22	63.33	67.60	69.39	69.18	85.93	67.89	52.24
296.50	63.16	63.22	66.61	69.07	65.54	80.25	64.56	50.93
296.50	62.66	62.77	65.51	68.18	63.60	77.78	64.88	49.84
296.60	62.33	62.44	65.18	67.92	65.65	86.71	65.25	49.15
296.70	62.28	62.39	65.42	68.16	67.42	91.39	65.72	48.92
296.80	62.33	62.44	66.08	68.46	67.69	85.40	65.43	48.71
296.90	62.22	62.28	65.39	68.08	64.49	79.76	63.10	47.51
296.90	61.73	61.78	64.67	67.15	62.58	76.92	64.00	47.44
297.00	61.50	61.61	64.58	67.08	65.22	86.00	65.74	47.78
297.10	61.73	61.84	65.25	67.68	68.00	91.38	67.97	48.17
297.20	62.28	62.39	66.54	68.47	68.60	85.79	67.82	49.63
297.20	62.61	62.72	66.25	68.54	65.64	80.25	66.04	49.96
297.30	62.55	62.61	65.32	68.04	63.58	76.94	66.23	50.32
297.40	62.39	62.50	65.18	68.03	65.64	85.54	66.26	50.53
297.50	62.66	62.77	65.75	68.72	68.19	91.50	68.46	52.64
297.60	63.05	63.16	66.53	69.35	68.40	85.85	66.83	53.21
297.60	62.83	62.94	65.51	68.76	64.68	80.04	63.30	50.53

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
297.70	62.06	62.11	63.92	67.54	61.89	76.01	62.76	49.02
297.80	61.56	61.67	63.96	67.19	64.65	84.57	65.69	49.51
297.90	61.84	61.95	64.75	67.90	67.36	90.88	68.17	50.58
298.00	62.33	62.44	65.92	68.64	68.08	85.67	67.08	51.51
298.00	62.44	62.50	65.38	68.42	64.83	80.07	64.19	49.50
298.10	62.11	62.17	64.49	67.60	62.68	76.15	65.08	49.25
298.20	62.06	62.17	64.79	67.75	65.43	84.53	67.78	50.89
298.30	62.61	62.72	65.68	68.67	68.14	91.28	70.31	53.28
298.30	63.22	63.33	66.68	69.63	68.85	86.10	68.65	55.73
298.40	63.38	63.49	66.13	69.61	65.90	80.32	66.13	54.42
298.50	63.05	63.16	64.94	68.86	63.14	75.97	65.71	52.85
298.60	62.66	62.72	64.53	68.40	64.65	83.96	65.64	52.61
298.70	62.50	62.61	64.44	68.56	66.26	90.57	65.93	52.74
298.70	62.61	62.66	65.26	68.94	67.32	85.47	66.19	53.87
298.80	62.55	62.66	64.96	68.74	64.74	79.86	64.50	52.26
298.90	62.22	62.28	63.86	67.96	62.05	75.30	64.76	51.55
299.00	61.89	62.00	63.78	67.65	64.07	83.05	65.86	52.21
299.00	62.17	62.22	64.43	68.26	66.76	90.40	68.29	52.90
299.10	62.72	62.77	65.77	69.11	68.44	85.85	69.09	55.11
299.20	63.11	63.22	65.79	69.40	65.92	80.31	67.25	54.74
299.30	63.11	63.16	64.80	68.95	63.11	75.47	67.13	54.02
299.40	62.99	63.05	64.69	68.84	64.93	82.79	67.72	54.35
299.40	63.33	63.44	65.28	69.56	67.78	90.43	70.32	56.28
299.50	63.88	63.99	66.28	70.47	68.72	86.22	68.97	58.67
299.60	63.88	63.93	65.51	70.19	65.35	80.25	65.28	55.94
299.70	63.16	63.22	63.84	68.94	61.91	75.00	64.39	53.81
299.80	62.61	62.66	63.68	68.46	63.97	81.89	66.54	54.92
299.80	62.72	62.77	64.08	68.87	66.24	89.64	68.14	55.81
299.90	63.11	63.22	65.17	69.64	67.72	85.72	68.04	58.06
300.00	63.22	63.33	64.89	69.57	65.00	79.97	65.25	55.56
300.10	62.83	62.94	63.76	68.76	62.06	74.86	65.31	53.85
300.10	62.55	62.66	63.76	68.50	63.94	81.34	66.86	55.33
300.20	63.11	63.16	64.63	69.31	67.08	89.58	70.51	57.52
300.30	63.82	63.88	65.97	70.51	68.86	86.14	70.35	60.84
300.40	64.21	64.32	65.88	70.92	66.44	80.43	68.35	59.53
300.50	64.26	64.32	64.94	70.51	63.47	75.29	68.03	57.90
300.50	63.93	63.99	64.44	69.94	64.33	81.18	67.17	58.44
300.60	63.77	63.88	64.25	70.00	66.18	89.22	67.74	58.21
300.70	63.82	63.93	65.10	70.53	67.93	85.82	68.92	60.60
300.80	63.99	64.10	65.09	70.64	65.67	80.13	66.90	58.87
300.80	63.82	63.93	64.14	70.04	62.65	74.89	67.00	57.56
300.90	63.55	63.66	63.85	69.60	63.74	80.39	66.99	58.78
301.00	63.60	63.71	64.19	69.95	66.47	88.79	69.39	58.92
301.10	64.04	64.15	65.49	70.81	68.54	86.21	70.25	61.78
301.20	64.49	64.60	65.70	71.25	66.56	80.43	68.79	60.83
301.20	64.54	64.60	64.71	70.85	63.35	75.13	68.21	59.31
301.30	64.32	64.38	64.38	70.45	64.38	79.81	68.51	60.13
301.40	64.54	64.65	64.90	71.11	67.47	88.58	71.61	61.85
301.50	65.20	65.31	66.03	72.14	69.01	86.47	71.14	65.89
301.60	65.37	65.42	65.54	72.15	66.22	80.40	67.47	62.65
301.60	64.82	64.87	63.97	71.18	62.38	74.78	65.61	59.67
301.70	64.21	64.26	63.65	70.40	63.69	79.01	67.89	61.49
301.80	64.43	64.54	64.40	71.07	66.96	87.96	71.24	63.21
301.90	65.20	65.31	65.86	72.25	69.01	86.38	71.74	66.92
301.90	65.64	65.76	65.96	72.57	66.97	80.61	69.25	63.99

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
302.00	65.53	65.59	64.92	71.94	63.55	75.31	67.64	61.08
302.10	65.26	65.31	64.81	71.50	64.69	79.07	69.26	63.23
302.20	65.59	65.64	65.36	72.13	67.69	88.11	72.35	65.03
302.30	66.20	66.25	66.54	73.21	69.80	86.79	73.12	69.76
302.30	66.69	66.75	66.69	73.82	68.00	81.00	71.11	67.86
302.40	66.75	66.86	65.82	73.47	64.79	75.65	70.07	64.92
302.50	66.42	66.47	65.18	72.82	64.83	78.54	69.46	66.38
302.60	66.20	66.31	64.99	72.86	66.74	87.43	69.69	66.61
302.70	66.36	66.42	65.74	73.49	68.79	86.44	71.04	70.26
302.70	66.69	66.75	66.19	73.94	67.54	80.65	70.25	68.38
302.80	66.75	66.80	65.34	73.51	64.31	75.36	68.83	65.24
302.90	66.58	66.69	65.14	73.13	64.85	78.04	70.17	67.79
303.00	66.69	66.80	65.54	73.48	67.75	87.31	72.18	68.40
303.00	67.25	67.36	67.00	74.50	70.64	87.14	74.96	72.79
303.10	68.02	68.07	67.63	75.31	69.31	81.43	73.19	71.47
303.20	68.19	68.30	66.69	75.07	65.67	76.03	70.89	68.09
303.30	67.85	67.91	65.99	74.36	65.64	77.76	71.82	69.10
303.40	68.02	68.07	66.55	74.88	69.03	87.10	74.75	71.13
303.40	68.69	68.75	67.57	76.04	70.87	87.32	74.72	76.49
303.50	68.97	69.03	67.46	76.38	68.86	81.33	71.47	73.44
303.60	68.52	68.63	65.96	75.42	64.82	75.65	68.21	68.68
303.70	67.91	67.96	65.31	74.53	64.90	76.94	69.89	70.76
303.70	67.96	68.07	66.01	74.97	68.43	86.29	73.43	72.89
303.80	68.80	68.86	67.51	76.33	71.21	87.35	75.53	78.13
303.90	69.53	69.58	68.08	77.11	69.81	81.71	73.32	75.63
304.00	69.58	69.64	67.24	76.63	66.26	76.34	70.62	70.65
304.10	69.25	69.36	66.87	75.96	66.51	77.18	72.99	72.90
304.10	69.64	69.75	67.83	76.65	70.29	86.72	77.08	75.68
304.20	70.37	70.48	68.72	77.86	72.13	88.04	76.51	80.74
304.30	70.81	70.87	68.98	78.46	70.98	82.03	75.30	78.86
304.40	70.93	70.98	68.20	78.15	67.57	76.63	73.08	74.21
304.50	70.53	70.59	67.36	77.33	66.71	76.76	73.12	75.95
304.50	70.20	70.31	67.10	77.26	69.00	85.82	73.15	76.75
304.60	70.37	70.48	67.89	78.04	71.40	87.53	75.14	81.42
304.70	70.87	70.98	68.68	78.78	70.85	81.75	75.04	80.14
304.80	71.04	71.15	67.83	78.47	67.31	76.42	72.36	75.38
304.80	70.87	70.93	67.41	77.85	67.00	76.22	74.06	77.39
304.90	70.87	70.93	67.81	78.09	69.97	85.58	75.70	78.92
305.00	71.32	71.43	69.01	79.11	72.91	88.03	78.15	83.64
305.10	72.27	72.32	70.26	80.26	72.83	82.51	78.56	83.28
305.20	72.77	72.83	69.65	80.28	69.36	77.24	76.14	78.86
305.20	72.60	72.66	68.88	79.58	68.24	76.46	76.14	79.37
305.30	72.60	72.66	69.21	79.76	71.43	85.64	78.20	81.40
305.40	73.27	73.33	70.38	81.03	74.28	88.72	79.99	87.65
305.50	73.78	73.83	70.66	81.76	72.83	82.88	76.88	85.88
305.50	73.39	73.44	69.10	80.90	68.41	77.07	72.96	79.39
305.60	72.72	72.77	68.21	79.81	67.40	75.61	74.35	80.50
305.70	72.60	72.72	68.68	80.03	70.61	84.71	76.68	83.47
305.80	73.16	73.27	69.79	81.25	73.58	88.21	78.70	88.74
305.90	73.89	74.00	70.69	82.14	73.25	82.67	78.06	87.53
305.90	74.06	74.11	69.94	81.74	69.58	77.29	75.09	81.50
306.00	73.78	73.83	69.38	80.98	68.69	75.53	77.31	82.49
306.10	74.06	74.11	70.28	81.50	72.49	84.82	80.59	85.74
306.20	74.90	74.95	71.44	82.82	75.40	89.01	81.69	91.33
306.30	75.68	75.79	72.43	83.93	75.49	83.57	81.64	91.46

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
306.30	76.13	76.18	71.79	83.92	71.93	78.31	78.88	85.59
306.40	75.85	75.90	70.79	83.04	69.92	76.01	78.26	85.65
306.50	75.34	75.46	70.42	82.75	71.90	84.54	77.61	87.44
306.60	75.34	75.46	70.92	83.42	74.64	88.71	79.67	92.04
306.60	75.90	76.01	72.14	84.44	75.32	83.26	81.51	92.75
306.70	76.29	76.41	71.60	84.36	71.74	77.97	78.64	86.96
306.80	76.07	76.13	70.68	83.51	69.92	75.27	78.82	87.04
306.90	75.90	75.96	70.95	83.52	72.88	84.03	80.37	89.56
307.00	76.35	76.46	72.21	84.60	76.54	89.00	84.01	94.79
307.00	77.43	77.49	73.76	86.06	77.21	83.97	84.12	95.82
307.10	78.06	78.12	73.40	86.15	73.82	78.84	81.84	90.26
307.20	77.89	77.95	72.33	85.32	71.52	75.78	81.41	89.00
307.30	77.77	77.83	72.55	85.27	74.37	84.24	82.58	91.57
307.40	78.35	78.47	73.66	86.47	77.83	89.68	85.33	97.92
307.40	79.05	79.11	74.50	87.43	77.66	84.46	83.51	98.40
307.50	78.99	79.05	73.39	87.07	73.52	78.90	79.59	91.18
307.60	78.35	78.41	72.13	85.91	71.21	75.28	80.42	90.13
307.70	78.06	78.12	72.34	85.74	73.93	83.30	81.67	93.61
307.70	78.41	78.53	73.17	86.76	76.89	88.97	83.25	98.72
307.80	79.05	79.17	74.19	87.75	77.58	84.06	82.94	99.68
307.90	79.34	79.40	73.79	87.59	74.15	78.90	80.97	92.86
308.00	79.17	79.22	73.06	86.83	72.25	75.22	82.69	91.85
308.10	79.22	79.28	73.56	86.88	75.32	83.24	84.80	95.42
308.10	79.80	79.86	74.53	87.93	78.41	89.28	86.24	100.31
308.20	80.56	80.62	75.74	89.09	79.61	84.75	86.98	102.96
308.30	81.08	81.14	75.37	89.19	76.35	79.67	84.68	96.40
308.40	80.96	81.02	74.25	88.48	73.38	75.62	83.79	94.46
308.40	80.38	80.44	73.78	87.91	75.03	82.74	82.96	96.97
308.50	80.38	80.50	74.36	88.59	78.13	88.93	85.13	101.82
308.60	80.96	81.02	75.59	89.67	79.52	84.45	86.45	104.51
308.70	81.31	81.37	75.16	89.65	76.02	79.29	83.80	97.46
308.80	80.96	81.02	73.92	88.72	72.99	74.91	83.37	95.04
308.80	80.56	80.62	73.90	88.32	75.43	81.95	84.51	98.47
308.90	80.96	81.02	75.14	89.31	79.41	88.69	88.48	103.53
309.00	82.01	82.07	76.86	90.46	81.12	84.88	89.26	107.25
309.10	82.64	82.76	76.64	90.75	77.83	79.87	87.04	100.46
309.20	82.53	82.59	75.44	90.08	74.62	75.43	86.30	96.91
309.20	82.18	82.24	75.31	89.56	76.67	81.91	86.64	99.73
309.30	82.53	82.64	76.30	90.58	80.28	88.89	89.29	105.57
309.40	83.22	83.28	77.36	91.65	81.39	85.14	88.68	109.00
309.50	83.28	83.34	76.53	91.47	77.50	79.78	85.00	101.06
309.50	82.70	82.76	75.00	90.37	74.01	74.90	84.68	97.41
309.60	82.12	82.18	74.81	89.74	75.78	80.72	84.87	100.83
309.70	82.24	82.35	75.56	90.54	79.21	87.74	87.31	105.94
309.80	82.93	82.99	76.85	91.73	80.93	84.50	87.80	110.19
309.90	83.40	83.46	76.64	91.71	77.89	79.54	85.72	102.67
309.90	83.28	83.34	75.75	91.12	74.98	74.96	87.13	98.98
310.00	83.11	83.17	75.91	90.77	76.99	80.39	87.97	102.55
310.10	83.51	83.63	76.85	91.50	80.65	87.88	90.51	107.10
310.20	84.33	84.38	78.24	92.33	82.88	85.11	91.79	112.52
310.20	84.91	84.96	78.15	92.07	79.90	80.26	89.32	105.46
310.30	84.73	84.79	76.76	91.72	75.99	75.45	87.97	100.65
310.40	84.09	84.15	76.17	91.33	76.86	79.89	86.75	103.60
310.50	83.92	83.98	76.56	91.75	80.19	87.22	88.94	107.95
310.60	84.44	84.50	77.97	92.56	82.44	84.78	90.56	113.69

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
310.60	84.91	84.96	77.93	92.36	79.62	79.83	88.73	106.61
310.70	84.79	84.85	76.65	92.01	75.94	75.07	88.02	101.37
310.80	84.33	84.38	76.35	91.56	77.26	79.07	87.90	105.14
310.90	84.44	84.56	77.22	92.11	81.14	86.81	91.35	109.39
311.00	85.25	85.31	78.83	92.71	83.58	84.98	92.79	115.94
311.00	85.89	85.95	78.86	91.85	80.94	80.11	91.05	108.79
311.10	85.89	85.95	77.75	92.15	77.16	75.56	90.21	102.62
311.20	85.43	85.43	77.26	91.72	77.94	78.75	89.47	105.28
311.30	85.49	85.54	77.96	92.28	81.65	86.61	92.01	110.36
311.30	86.01	86.07	79.09	92.21	83.68	85.13	92.61	116.90
311.40	86.32	86.38	78.91	89.73	80.82	80.11	89.53	109.29
311.50	86.01	86.07	77.54	92.33	76.83	75.42	88.63	102.74
311.60	85.43	85.49	77.01	91.69	77.53	77.82	88.31	106.29
311.70	85.54	85.60	77.79	92.40	81.37	85.80	91.05	111.24
311.70	86.19	86.26	79.17	91.38	83.81	84.97	92.54	118.22
311.80	86.87	87.00	79.56	84.12	81.86	80.36	90.88	111.42
311.90	86.94	87.00	78.54	88.86	78.05	75.93	90.49	104.48
312.00	86.44	86.50	78.04	91.87	78.44	77.61	90.67	107.52
312.00	86.38	86.50	78.51	92.14	81.75	85.63	92.58	111.02
312.10	86.94	87.00	79.81	87.14	84.56	85.29	94.55	118.29
312.20	87.56	87.62	80.11	83.57	82.69	80.67	92.55	112.47
312.30	87.43	87.49	78.82	84.29	78.28	75.99	89.97	104.89
312.40	86.75	86.75	77.93	91.91	78.22	76.93	89.68	107.72
312.40	86.44	86.50	78.26	92.17	81.44	84.87	91.60	111.79
312.50	86.94	87.06	79.62	87.65	84.21	85.23	93.06	118.73
312.60	87.56	87.68	80.08	85.05	82.72	80.53	91.99	113.64
312.70	87.56	87.62	78.83	84.72	78.40	75.94	89.84	105.50
312.80	87.00	87.06	78.10	91.48	78.23	76.43	89.96	108.64
312.80	86.94	87.00	78.71	91.36	81.84	84.59	92.44	112.68
312.90	87.56	87.62	80.11	86.28	84.69	85.56	93.90	119.54
313.00	88.17	88.30	80.65	85.50	83.63	80.89	93.62	115.22
313.10	88.24	88.30	79.58	85.23	79.37	76.29	91.45	106.33
313.10	87.74	87.80	78.80	87.77	78.87	76.13	91.89	108.47
313.20	87.49	87.56	79.16	89.24	82.29	84.19	93.84	112.74
313.30	87.93	87.99	80.37	86.59	85.01	85.68	94.61	119.66
313.40	88.48	88.55	80.88	85.84	83.91	81.00	93.39	115.81
313.50	88.42	88.48	79.71	85.48	79.50	76.48	90.37	106.52
313.50	87.86	87.86	78.84	86.85	78.63	75.61	90.97	109.14
313.60	87.62	87.68	79.17	87.17	81.91	83.53	92.61	113.35
313.70	88.11	88.17	80.34	87.13	84.87	85.78	93.70	120.08
313.80	88.73	88.79	81.08	86.09	84.27	81.16	93.56	117.19
313.90	88.73	88.79	79.97	85.67	79.87	76.70	90.51	107.56
313.90	88.24	88.24	79.16	89.24	78.89	75.46	91.84	109.17
314.00	88.05	88.11	79.67	89.38	82.35	83.53	94.57	112.79
314.10	88.61	88.67	81.07	85.85	85.92	86.28	96.89	119.75
314.20	89.35	89.41	81.93	86.41	85.45	81.79	95.69	117.96
314.20	89.35	89.41	80.77	86.06	80.84	77.16	91.98	108.57
314.30	88.73	88.79	79.64	88.58	79.26	75.21	92.37	109.69
314.40	88.30	88.36	79.75	89.57	82.16	83.00	93.21	113.28
314.50	88.55	88.61	80.73	85.96	85.08	86.39	94.47	119.53
314.60	89.16	89.23	81.63	85.93	85.15	81.78	94.83	118.59
314.60	89.23	89.23	80.50	85.66	80.68	77.17	91.40	109.08
314.70	88.48	88.55	79.22	89.22	78.68	74.61	91.19	109.45
314.80	88.05	88.11	79.28	88.61	81.46	82.22	92.03	112.87
314.90	88.30	88.36	80.42	87.44	85.00	86.40	94.98	119.05

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
314.90	89.04	89.10	81.67	84.12	85.64	82.00	96.14	119.36
315.00	89.47	89.54	81.11	84.20	81.85	77.72	94.13	110.42
315.10	89.16	89.16	80.10	87.02	79.72	74.92	94.13	109.43
315.20	88.67	88.73	80.08	89.23	82.37	82.32	94.68	112.99
315.30	88.86	88.92	81.04	85.86	85.56	86.87	96.13	119.10
315.30	89.41	89.47	82.05	84.37	85.96	82.47	95.75	119.64
315.40	89.60	89.66	81.24	84.26	81.81	78.02	92.73	110.46
315.50	88.92	88.98	79.72	87.88	78.95	74.52	91.88	108.97
315.60	88.24	88.30	79.42	88.86	81.21	81.53	91.96	112.40
315.70	88.24	88.30	80.08	89.33	84.16	86.51	93.06	117.85
315.70	88.61	88.67	80.95	84.64	84.70	82.26	92.84	119.02
315.80	88.67	88.73	80.13	86.92	80.87	77.69	90.87	109.96
315.90	88.24	88.24	79.05	88.59	78.39	74.14	91.84	108.02
316.00	87.86	87.93	79.26	89.55	81.05	81.33	93.37	111.22
316.00	88.24	88.36	80.50	89.30	85.02	86.89	96.47	117.15
316.10	88.92	89.04	81.69	84.44	85.83	83.04	95.71	119.35
316.20	89.04	89.10	80.84	85.26	81.75	78.33	92.17	110.40
316.30	88.48	88.55	79.50	90.05	78.79	74.34	92.38	107.89
316.40	87.93	87.99	79.32	90.27	80.95	80.78	92.58	111.36
316.40	88.11	88.17	80.29	90.45	84.25	86.99	94.12	116.75
316.50	88.55	88.61	81.28	88.04	85.36	83.16	94.47	119.37
316.60	88.67	88.73	80.52	88.46	81.59	78.48	91.80	110.53
316.70	88.05	88.05	78.97	91.49	78.04	74.13	90.81	106.94
316.70	87.25	87.31	78.47	91.66	79.76	80.09	90.72	110.12
316.80	87.31	87.37	79.41	93.03	83.55	86.61	93.74	115.32
316.90	87.93	87.99	80.82	89.02	85.18	83.49	94.78	119.17
317.00	88.42	88.48	80.60	89.10	82.12	79.01	93.25	110.94
317.10	88.11	88.17	79.34	92.71	78.69	74.67	92.77	106.46
317.10	87.37	87.43	78.87	92.14	80.16	80.04	92.28	109.34
317.20	87.25	87.31	79.52	93.21	83.60	86.72	94.35	114.45
317.30	87.80	87.86	80.86	91.69	85.39	83.80	94.99	118.81
317.40	88.17	88.24	80.57	91.29	82.03	79.37	92.24	110.37
317.50	87.68	87.74	78.96	93.46	78.03	74.84	90.81	105.46
317.50	86.87	86.87	78.33	91.20	79.18	79.51	90.06	108.49
317.60	86.63	86.69	78.78	92.65	82.52	86.54	91.96	112.95
317.70	87.00	87.06	79.82	94.38	84.07	83.95	92.25	117.78
317.80	87.18	87.25	79.51	94.45	81.03	79.24	90.32	109.56
317.80	86.87	86.94	78.25	93.61	77.49	74.90	90.35	104.34
317.90	86.32	86.38	78.02	92.34	78.87	79.41	90.80	106.83
318.00	86.50	86.56	79.04	93.30	82.95	87.02	94.20	111.44
318.10	87.12	87.18	80.33	94.86	84.75	84.86	93.89	117.09
318.20	87.31	87.37	79.97	94.93	81.60	80.07	91.03	109.19
318.20	86.87	86.94	78.59	93.73	77.82	75.42	90.77	103.51
318.30	86.26	86.32	78.24	92.45	78.86	79.09	90.49	106.69
318.40	86.19	86.26	78.78	93.05	82.19	86.96	92.03	110.89
318.50	86.50	86.56	79.87	94.30	84.23	85.20	93.10	116.57
318.50	86.75	86.81	79.68	94.61	81.54	80.29	91.15	109.06
318.60	86.32	86.38	78.13	93.29	77.20	75.65	89.45	102.38
318.70	85.43	85.49	77.29	92.05	77.58	78.43	88.48	105.06
318.80	85.20	85.25	77.83	92.59	81.25	86.58	91.47	109.02
318.80	85.60	85.72	79.10	93.67	83.68	85.54	92.91	115.57
318.90	86.13	86.19	79.38	93.99	81.58	80.88	91.46	108.61
319.00	86.01	86.07	78.15	93.28	77.56	76.30	89.73	101.40
319.10	85.20	85.25	77.39	92.11	77.74	78.54	89.27	103.43
319.20	84.85	84.91	77.76	92.43	81.18	86.75	91.46	107.45

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
319.20	85.25	85.31	79.06	93.42	83.58	86.12	92.96	113.90
319.30	85.66	85.72	79.18	93.76	81.26	81.28	90.32	107.17
319.40	85.25	85.31	77.61	92.83	76.69	76.50	87.29	99.67
319.50	84.38	84.44	76.74	91.49	76.82	78.17	87.79	102.39
319.60	84.09	84.21	77.15	91.77	80.18	86.56	90.07	106.18
319.60	84.44	84.50	78.24	92.86	82.50	86.35	90.98	112.39
319.70	84.79	84.85	78.48	93.20	80.67	81.46	89.38	106.49
319.80	84.62	84.67	77.20	92.44	76.49	76.83	87.09	98.79
319.90	84.04	84.09	76.62	91.39	76.58	78.26	87.87	100.63
319.90	83.92	83.98	77.22	91.57	80.42	86.96	90.97	103.76
320.00	84.27	84.33	78.29	92.57	82.60	87.30	90.72	110.01
320.10	84.44	84.50	78.35	92.86	80.55	82.16	88.27	104.60
320.20	84.04	84.09	77.01	91.86	76.30	77.30	85.93	96.89
320.30	83.28	83.34	76.25	90.58	76.04	77.94	86.71	99.06
320.30	82.93	82.99	76.46	90.60	79.10	86.68	87.97	102.13
320.40	83.11	83.17	77.35	91.42	81.27	87.54	88.56	107.90
320.50	83.28	83.34	77.58	91.89	79.83	82.22	87.47	103.64
320.60	82.93	82.99	76.12	90.90	75.36	77.16	84.14	95.31
320.60	82.12	82.12	75.05	89.53	74.68	77.19	85.01	97.31
320.70	81.66	81.78	75.32	89.43	78.07	86.05	87.17	100.07
320.80	82.01	82.07	76.53	90.46	80.67	87.83	88.32	106.18
320.90	82.53	82.59	77.11	91.15	79.75	82.69	87.65	102.73
321.00	82.47	82.53	76.04	90.50	75.62	77.83	84.36	94.52
321.00	81.66	81.72	74.95	88.99	74.58	77.37	84.83	94.97
321.10	81.08	81.14	75.15	88.71	77.69	86.05	86.73	97.65
321.20	81.25	81.37	76.18	89.57	80.28	88.32	87.94	103.34
321.30	81.66	81.72	76.73	90.23	79.32	83.05	86.88	100.30
321.40	81.49	81.54	75.61	89.47	75.02	78.07	83.03	92.54
321.40	80.62	80.67	74.35	87.96	73.59	77.02	83.19	93.44
321.50	80.09	80.21	74.36	87.77	76.56	85.79	84.93	96.13
321.60	80.33	80.44	75.36	88.65	79.30	88.44	86.44	101.60
321.70	80.62	80.67	75.68	89.15	78.17	83.14	84.39	98.69
321.70	80.33	80.38	74.50	88.33	74.03	78.04	81.53	91.15
321.80	79.51	79.63	73.38	86.90	72.62	76.65	82.12	90.89
321.90	79.11	79.17	73.56	86.65	75.88	85.57	84.60	92.79
322.00	79.40	79.46	74.63	87.53	78.57	88.79	85.40	98.25
322.10	79.51	79.63	75.05	87.91	77.60	83.38	83.66	95.89
322.10	79.17	79.22	73.89	87.06	73.47	78.11	80.63	88.67
322.20	78.41	78.47	72.86	85.72	72.05	76.30	81.67	88.93
322.30	78.01	78.12	73.14	85.59	75.14	85.19	83.44	91.32
322.40	78.24	78.30	73.96	86.33	77.63	89.11	83.90	96.03
322.40	78.47	78.53	74.47	86.85	77.08	83.53	83.19	94.59
322.50	78.30	78.35	73.46	86.26	73.27	78.29	80.44	87.82
322.60	77.60	77.66	72.26	84.91	71.34	75.93	80.69	87.47
322.70	76.91	77.02	72.04	84.31	73.69	84.62	81.14	88.82
322.80	76.85	76.96	72.60	84.79	76.04	89.07	81.68	92.93
322.80	77.14	77.20	73.36	85.47	76.13	83.60	81.77	92.52
322.90	77.20	77.25	72.86	85.11	73.00	78.50	80.54	86.65
323.00	76.69	76.74	71.79	83.88	70.70	75.80	79.86	84.71
323.10	75.96	76.01	71.57	83.09	73.16	84.44	80.68	85.85
323.20	75.90	75.96	72.29	83.70	75.96	89.22	82.86	90.14
323.20	76.24	76.35	73.21	84.43	76.04	83.96	82.28	90.00
323.30	76.18	76.29	72.43	83.94	72.36	78.65	79.22	83.89
323.40	75.46	75.51	70.95	82.47	69.69	75.44	78.04	82.54
323.50	74.84	74.95	70.92	82.00	72.36	84.04	79.86	84.25

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
323.50	75.01	75.12	71.81	82.72	75.43	89.40	82.17	88.54
323.60	75.29	75.40	72.32	83.29	74.93	84.06	79.88	87.89
323.70	74.95	75.01	71.11	82.51	70.93	78.54	76.33	81.54
323.80	74.00	74.06	69.55	80.97	68.24	74.87	76.15	79.49
323.90	73.33	73.44	69.57	80.39	71.24	83.42	78.79	80.38
323.90	73.67	73.78	70.69	81.26	74.31	89.22	80.75	84.53
324.00	73.83	73.95	71.25	81.67	73.92	83.92	78.43	84.18
324.10	73.50	73.61	70.36	80.97	70.33	78.51	75.86	78.50
324.20	72.83	72.88	69.15	79.68	67.85	74.75	75.76	77.14
324.20	72.32	72.44	69.24	79.26	70.50	83.21	76.93	78.61
324.30	72.49	72.60	69.97	79.92	72.97	89.43	78.29	81.75
324.40	72.66	72.72	70.60	80.41	73.39	84.21	77.75	82.48
324.50	72.66	72.72	70.04	80.11	70.26	78.79	75.76	77.56
324.60	72.16	72.27	69.01	79.04	67.76	74.81	76.24	76.15
324.60	71.60	71.71	68.74	78.42	69.67	82.83	75.85	76.61
324.70	71.37	71.43	68.82	78.53	71.49	89.26	76.03	78.57
324.80	71.37	71.49	69.51	78.97	72.24	84.18	76.14	79.87
324.90	71.32	71.37	69.10	78.78	69.47	78.68	74.76	75.46
325.00	70.76	70.87	67.89	77.53	66.51	74.38	74.07	72.36
325.00	70.09	70.14	67.64	76.71	68.47	82.26	74.49	72.86
325.10	69.86	69.98	68.00	76.93	70.79	89.01	75.67	74.97
325.20	70.09	70.20	69.00	77.57	71.90	84.31	76.07	76.47
325.30	70.20	70.26	68.70	77.42	69.08	78.88	74.00	72.54
325.30	69.64	69.70	67.29	76.20	65.75	74.38	72.31	70.11
325.40	68.97	69.08	66.93	75.50	67.60	81.88	73.14	71.00
325.50	69.03	69.14	67.66	76.04	70.68	89.06	76.47	73.61
325.60	69.53	69.58	68.81	76.88	71.60	84.68	75.57	75.11
325.70	69.42	69.53	68.00	76.49	68.11	79.08	71.68	70.43
325.70	68.52	68.58	66.22	74.96	64.56	74.14	70.51	67.02
325.80	67.63	67.74	65.74	74.04	66.29	81.17	71.38	67.01
325.90	67.74	67.80	66.50	74.61	69.48	88.64	74.82	69.75
326.00	68.02	68.07	67.57	75.18	70.31	84.40	73.36	70.88
326.10	67.80	67.85	66.84	74.66	67.06	78.76	69.96	66.38
326.10	67.08	67.14	65.44	73.41	63.85	73.85	69.51	64.01
326.20	66.47	66.53	65.35	72.81	65.79	80.88	70.81	65.31
326.30	66.64	66.75	66.04	73.31	68.47	88.72	72.81	66.89
326.40	66.86	66.97	66.89	73.89	69.64	84.60	72.33	68.39
326.40	66.86	66.97	66.67	73.76	67.06	79.00	70.36	65.21
326.50	66.58	66.64	65.68	72.98	64.31	74.15	71.00	63.60
326.60	66.14	66.25	65.43	72.39	65.65	80.67	70.76	63.80
326.70	65.92	65.98	65.36	72.39	67.22	88.60	70.35	63.72
326.80	65.81	65.92	66.00	72.79	68.61	84.79	70.36	66.32
326.80	65.81	65.92	65.96	72.79	66.51	79.03	69.32	63.81
326.90	65.53	65.64	65.00	71.92	63.64	74.11	69.39	60.76
327.00	64.98	65.04	64.65	71.10	64.64	80.29	68.82	60.62
327.10	64.71	64.82	64.74	71.15	67.11	88.39	69.96	60.80
327.10	64.82	64.93	65.75	71.63	68.64	84.96	70.93	63.15
327.20	65.04	65.09	65.94	71.76	66.63	79.47	69.74	61.02
327.30	64.65	64.71	64.60	70.78	62.94	74.18	67.54	58.20
327.40	63.88	63.99	63.90	69.86	63.74	79.75	67.24	58.33
327.50	63.82	63.93	64.42	70.17	67.03	88.06	70.99	59.65
327.50	64.32	64.38	65.74	71.00	68.74	85.23	71.19	61.94
327.60	64.43	64.49	65.39	70.98	65.85	79.57	67.49	59.20
327.70	63.82	63.88	63.94	69.90	62.23	74.24	66.19	56.23
327.80	62.99	63.11	63.19	69.17	62.97	79.24	65.82	55.69

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
327.90	63.16	63.27	64.03	69.57	66.47	87.93	69.82	57.16
327.90	63.60	63.71	65.32	70.32	68.22	85.51	69.72	59.53
328.00	63.66	63.71	65.13	70.10	65.58	79.86	66.46	56.41
328.10	63.05	63.16	63.76	69.04	62.06	74.56	65.53	53.99
328.20	62.55	62.61	63.52	68.40	63.24	79.31	66.49	54.77
328.20	62.72	62.83	64.15	68.83	66.10	88.11	69.11	55.22
328.30	62.94	63.05	64.94	69.36	67.50	85.82	68.04	57.19
328.40	62.83	62.94	64.78	69.25	65.36	79.95	65.92	54.99
328.50	62.55	62.61	63.86	68.53	62.33	74.75	65.97	53.46
328.60	62.11	62.22	63.49	67.88	63.05	78.99	65.99	53.22
328.60	61.95	62.00	63.36	67.99	64.61	87.78	65.54	52.24
328.70	61.84	61.95	63.96	68.27	66.24	85.79	65.18	54.86
328.80	61.89	62.00	64.29	68.44	65.10	80.07	65.50	54.22
328.90	61.84	61.95	63.56	67.90	62.08	74.94	64.83	51.81
328.90	61.50	61.61	63.28	67.26	62.67	78.74	64.94	51.03
329.00	61.34	61.45	63.40	67.35	64.72	87.73	66.10	50.26
329.10	61.61	61.67	64.55	67.90	67.18	86.33	67.74	52.25
329.20	61.84	61.95	64.92	68.08	65.67	80.82	65.89	50.92
329.30	61.56	61.67	63.67	67.32	61.87	75.47	62.99	48.81
329.30	60.84	60.90	62.77	66.33	61.98	78.33	63.03	48.48
329.40	60.68	60.79	63.14	66.63	64.90	87.35	66.92	49.05
329.50	61.17	61.28	64.47	67.43	67.22	86.71	67.58	51.57
329.60	61.39	61.50	64.58	67.58	65.28	80.99	64.31	50.22
329.70	61.01	61.06	63.27	66.75	61.46	75.69	61.62	48.30
329.70	60.23	60.29	62.33	65.85	61.37	77.90	61.64	47.60
329.80	60.40	60.46	63.11	66.38	65.00	87.32	66.70	48.56
329.90	61.01	61.12	64.71	67.32	67.56	87.24	67.86	49.65
330.00	61.34	61.45	65.04	67.47	65.85	81.72	64.96	47.51
330.00	61.01	61.12	63.86	66.64	62.12	76.32	62.26	45.85
330.10	60.46	60.51	63.23	65.82	62.16	78.29	63.26	45.97
330.20	60.40	60.51	63.47	66.04	64.74	87.60	65.07	46.30
330.30	60.57	60.68	64.32	66.57	66.67	87.58	65.24	46.03
330.40	60.68	60.73	64.63	66.72	65.44	81.75	63.48	45.58
330.40	60.62	60.73	64.10	66.32	62.58	76.74	63.01	45.72
330.50	60.46	60.51	63.68	65.82	62.67	78.29	64.22	46.24
330.60	60.51	60.62	63.88	66.15	64.90	87.71	64.57	46.15
330.70	60.73	60.79	64.63	66.71	66.86	88.32	64.40	47.75
330.80	60.95	61.01	65.25	67.18	66.34	82.54	64.45	47.98
330.80	61.12	61.23	64.99	66.94	63.58	77.57	63.85	46.41
330.90	61.01	61.12	64.60	66.40	63.24	78.78	64.63	46.30
331.00	61.01	61.12	64.65	66.53	65.57	88.18	64.71	46.12
331.10	61.12	61.23	65.32	66.94	67.50	89.15	65.08	46.06
331.10	61.28	61.34	65.92	67.14	66.85	83.39	63.99	46.02
331.20	61.06	61.12	64.90	66.55	63.16	78.11	60.80	45.00
331.30	60.46	60.51	63.96	65.58	62.39	78.38	62.21	44.82
331.40	60.40	60.51	64.43	65.92	65.88	87.77	66.47	45.94
331.50	61.06	61.17	66.00	67.00	68.74	89.79	67.65	46.80
331.50	61.67	61.78	66.83	67.68	68.06	84.24	65.89	46.71
331.60	61.67	61.73	65.97	67.16	64.28	78.96	62.46	45.62
331.70	61.01	61.12	64.71	66.15	62.85	78.78	62.08	44.71
331.80	60.95	61.06	65.17	66.54	66.49	88.04	67.11	45.89
331.80	61.67	61.78	66.89	67.68	69.61	90.64	68.61	47.06
331.90	62.28	62.39	67.85	68.22	69.04	85.26	66.60	47.06
332.00	62.17	62.28	66.72	67.57	65.08	79.92	62.63	46.06
332.10	61.50	61.61	65.49	66.53	63.63	79.00	63.01	45.56

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
332.20	61.23	61.34	65.50	66.57	66.07	88.22	64.40	45.64
332.20	61.39	61.50	66.33	67.10	68.57	90.89	65.00	45.90
332.30	61.67	61.73	67.15	67.47	68.31	85.17	64.21	45.89
332.40	61.78	61.89	66.83	67.29	65.50	80.14	63.47	46.21
332.50	61.73	61.84	66.39	66.88	64.58	79.22	65.17	46.33
332.60	61.89	62.00	66.67	67.22	67.19	88.52	66.04	46.67
332.60	62.28	62.39	67.50	67.97	69.60	92.08	65.97	46.53
332.70	62.55	62.66	68.33	68.50	69.60	86.32	65.56	47.17
332.80	62.77	62.88	68.17	68.47	66.94	81.21	65.25	47.13
332.90	62.72	62.77	67.52	67.90	65.56	79.82	66.04	47.13
332.90	62.77	62.88	67.78	68.04	68.07	89.11	66.82	47.40
333.00	62.99	63.11	68.39	68.57	70.36	92.86	66.96	47.71
333.10	63.16	63.22	68.97	68.89	70.17	86.97	65.26	47.41
333.20	62.88	62.99	68.11	68.28	66.60	81.67	62.65	46.44
333.30	62.33	62.39	67.02	67.27	64.72	79.44	63.56	45.94
333.30	62.11	62.22	67.22	67.26	68.04	88.39	66.78	46.81
333.40	62.66	62.77	68.50	68.29	71.10	93.06	68.89	47.81
333.50	63.44	63.55	69.99	69.31	71.69	87.78	68.61	48.42
333.60	63.66	63.77	69.37	69.10	68.06	82.60	65.08	47.85
333.60	63.22	63.33	68.15	68.24	65.74	80.07	64.29	46.69
333.70	63.16	63.27	68.38	68.43	68.68	88.89	67.13	47.53
333.80	63.66	63.77	69.54	69.28	72.19	93.85	70.13	48.83
333.90	64.26	64.38	70.81	70.06	72.62	88.57	69.26	49.09
334.00	64.38	64.49	70.25	69.75	68.99	83.39	66.07	48.49
334.00	63.82	63.93	68.81	68.72	66.35	80.32	65.17	47.67
334.10	63.33	63.44	68.43	68.29	68.39	88.70	65.81	47.34
334.20	63.38	63.49	69.04	68.82	71.03	93.93	66.74	47.49
334.30	63.55	63.66	69.99	69.17	71.47	88.49	65.76	47.30
334.40	63.60	63.71	69.71	68.99	68.61	83.42	65.03	47.62
334.40	63.49	63.60	68.99	68.51	66.69	80.17	66.14	47.69
334.50	63.66	63.77	69.32	68.79	69.18	88.68	67.18	48.12
334.60	64.15	64.26	70.19	69.64	72.40	94.67	68.81	49.06
334.70	64.76	64.87	71.68	70.54	73.50	89.83	68.81	49.69
334.70	64.98	65.09	71.18	70.47	70.03	84.60	65.97	49.30
334.80	64.65	64.76	70.01	69.60	67.46	80.86	66.43	48.60
334.90	64.43	64.54	69.97	69.43	69.60	88.90	67.51	48.65
335.00	64.65	64.82	70.60	70.04	72.58	95.00	69.15	49.33
335.10	64.93	65.04	71.51	70.53	73.17	89.90	67.14	49.06
335.10	64.76	64.87	70.90	70.07	69.69	84.72	64.35	48.10
335.20	64.15	64.21	69.50	68.96	66.82	80.69	64.33	47.19
335.30	63.71	63.77	69.40	68.58	69.20	88.19	66.78	47.71
335.40	64.15	64.26	70.53	69.53	72.96	94.93	69.93	49.33
335.50	64.98	65.15	72.26	70.73	74.47	90.59	70.17	50.38
335.50	65.53	65.59	72.19	70.92	71.39	85.64	67.46	50.27
335.60	65.42	65.48	71.14	70.39	68.54	81.51	66.65	49.54
335.70	65.31	65.42	71.06	70.31	70.53	88.99	67.88	49.72
335.80	65.48	65.59	71.50	70.83	73.14	95.78	68.82	50.15
335.80	65.76	65.87	72.67	71.35	74.54	91.22	69.00	50.17
335.90	65.87	65.98	72.43	71.28	71.68	86.07	67.38	50.19
336.00	65.53	65.64	71.17	70.40	68.50	81.64	66.53	49.24
336.10	64.98	65.09	70.62	69.79	69.97	88.32	66.93	48.94
336.20	65.04	65.20	71.26	70.30	73.08	95.46	69.10	49.29
336.20	65.48	65.59	72.56	71.01	74.60	91.47	68.74	49.63
336.30	65.70	65.76	72.58	71.02	71.94	86.49	67.54	50.00
336.40	65.59	65.70	71.67	70.46	69.11	81.87	67.54	49.83

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
336.50	65.53	65.64	71.50	70.40	70.63	88.33	67.57	49.94
336.50	65.81	65.92	72.11	71.10	73.92	95.83	69.57	50.67
336.60	66.31	66.42	73.49	71.95	75.58	92.36	69.04	50.99
336.70	66.47	66.58	73.25	71.88	72.44	87.26	66.68	50.55
336.80	66.03	66.14	71.82	70.89	69.00	82.22	66.24	49.57
336.90	65.59	65.70	71.39	70.39	70.35	88.04	67.19	49.65
336.90	65.76	65.92	72.08	71.01	73.89	95.81	70.33	50.38
337.00	66.25	66.36	73.38	71.78	75.53	92.47	69.32	50.76
337.10	66.31	66.42	73.10	71.58	72.50	87.28	66.60	50.38
337.20	66.03	66.14	72.04	70.83	69.39	82.47	66.93	49.65
337.30	65.70	65.76	71.75	70.42	70.82	87.86	68.32	50.00
337.30	65.98	66.09	72.49	71.14	74.31	95.82	71.12	51.17
337.40	66.64	66.75	74.08	72.15	76.53	93.11	71.68	51.85
337.50	67.08	67.14	74.16	72.44	73.69	88.00	68.39	51.83
337.60	66.80	66.91	72.86	71.72	70.04	83.06	66.92	50.80
337.60	66.36	66.47	72.25	71.10	70.94	87.85	67.53	50.35
337.70	66.36	66.47	72.60	71.52	73.96	95.86	69.68	50.78
337.80	66.69	66.80	73.81	72.14	75.97	93.33	69.75	51.12
337.90	66.86	66.97	73.92	72.25	73.61	88.15	68.19	51.11
338.00	66.64	66.75	72.86	71.49	70.26	83.16	67.97	50.63
338.00	66.20	66.31	72.10	70.88	70.61	87.25	67.36	50.26
338.10	66.14	66.25	72.43	71.25	73.86	95.47	69.99	50.74
338.20	66.58	66.69	73.82	72.04	76.25	93.57	70.51	51.18
338.30	66.91	67.02	74.19	72.25	74.11	88.55	68.76	51.42
338.30	66.86	66.97	73.25	71.76	70.64	83.64	68.29	51.19
338.40	66.64	66.75	72.75	71.36	71.26	86.99	68.32	51.06
338.50	66.69	66.86	73.00	71.81	74.26	95.43	69.61	51.41
338.60	67.08	67.19	74.25	72.59	76.51	94.22	69.88	51.51
338.70	67.19	67.30	74.29	72.57	74.05	88.99	67.39	51.10
338.70	66.80	66.91	72.97	71.72	70.21	83.76	66.57	50.26
338.80	66.20	66.31	72.04	70.88	70.17	86.39	66.57	49.83
338.90	66.14	66.25	72.43	71.18	73.64	94.96	69.90	50.65
339.00	66.58	66.69	73.70	72.04	76.14	94.08	70.25	51.18
339.10	66.75	66.86	73.81	72.03	73.79	88.82	66.95	50.74
339.10	66.47	66.58	72.70	71.32	70.22	83.79	66.76	50.28
339.20	65.98	66.09	71.99	70.60	70.17	85.92	66.88	49.87
339.30	65.98	66.14	72.29	70.99	73.38	94.56	69.33	50.60
339.40	66.47	66.58	73.64	71.88	76.08	94.32	70.57	51.24
339.40	66.75	66.91	74.06	72.17	74.20	89.11	67.76	51.12
339.50	66.53	66.64	72.81	71.50	70.21	84.01	65.68	50.25
339.60	66.03	66.14	71.99	70.77	69.94	85.63	65.97	49.65
339.70	65.87	65.98	72.00	70.90	72.68	94.17	67.90	49.76
339.80	66.09	66.20	72.99	71.49	75.08	94.29	68.56	50.06
339.80	66.25	66.36	73.38	71.65	73.63	88.94	66.97	50.15
339.90	66.09	66.20	72.43	71.07	70.11	83.93	65.93	49.89
340.00	65.70	65.81	71.61	70.39	69.50	84.86	66.25	49.40
340.10	65.59	65.70	71.78	70.57	72.58	93.64	68.58	49.92
340.10	65.92	66.03	72.76	71.32	74.97	94.57	68.74	50.33
340.20	66.20	66.31	73.49	71.60	74.03	89.24	67.97	50.44
340.30	66.14	66.20	72.63	71.10	70.25	84.22	65.61	50.10
340.40	65.76	65.81	71.69	70.35	69.54	84.36	66.28	49.61
340.50	65.64	65.76	71.82	70.64	72.58	93.18	68.21	49.88
340.50	66.03	66.14	73.04	71.50	75.47	94.93	69.11	50.71
340.60	66.47	66.58	73.75	72.00	74.35	89.68	67.64	50.64
340.70	66.25	66.36	72.54	71.23	70.17	84.44	65.06	49.80

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
340.80	65.70	65.81	71.55	70.39	69.22	84.07	66.17	49.32
340.90	65.53	65.64	71.56	70.53	72.14	92.82	68.53	49.85
340.90	65.98	66.03	72.79	71.36	75.29	94.94	70.32	50.80
341.00	66.31	66.42	73.38	71.71	74.13	89.60	67.82	50.64
341.10	66.09	66.20	72.32	71.07	70.17	84.46	65.07	49.72
341.20	65.42	65.48	71.08	70.03	68.71	83.61	65.07	48.57
341.20	65.04	65.15	70.96	69.92	71.25	92.17	66.82	48.82
341.30	65.26	65.37	72.00	70.68	74.15	94.88	68.35	49.40
341.40	65.59	65.70	72.78	71.13	73.64	89.43	66.93	49.56
341.50	65.59	65.70	72.06	70.75	70.07	84.50	64.82	49.30
341.60	65.20	65.31	71.11	70.01	68.74	83.24	65.57	48.90
341.60	65.15	65.26	71.18	70.14	71.54	91.93	67.97	49.47
341.70	65.48	65.59	72.17	70.89	74.38	95.26	69.68	50.15
341.80	65.92	66.03	73.04	71.44	74.14	89.75	68.57	50.42
341.90	65.92	65.98	72.24	71.00	70.48	84.61	66.10	49.96
342.00	65.48	65.53	71.14	70.14	68.65	82.79	66.26	49.16
342.00	65.09	65.20	70.79	69.97	70.75	91.27	66.86	49.06
342.10	65.04	65.20	71.26	70.36	73.13	95.03	67.01	48.85
342.20	65.09	65.20	71.89	70.57	72.93	89.46	65.90	48.62
342.30	64.87	64.93	71.10	69.97	69.39	84.20	64.08	48.18
342.30	64.32	64.43	69.97	69.08	67.47	81.76	64.69	47.56
342.40	64.21	64.26	70.11	69.19	70.53	90.31	67.10	48.21
342.50	64.65	64.76	71.18	70.14	73.50	95.07	68.26	49.14
342.60	65.15	65.26	72.23	70.81	73.54	89.78	67.28	49.47
342.70	65.20	65.26	71.43	70.41	69.77	84.53	65.03	48.96
342.70	64.71	64.82	70.18	69.53	67.63	81.61	65.69	48.31
342.80	64.38	64.49	69.91	69.32	69.82	89.97	67.03	48.41
342.90	64.60	64.71	70.68	69.97	72.83	94.84	68.64	49.08
343.00	64.82	64.93	71.46	70.36	72.89	89.36	66.94	48.86
343.00	64.54	64.65	70.47	69.72	68.97	84.07	63.51	47.78
343.10	63.82	63.88	69.06	68.57	66.38	80.90	63.30	46.58
343.20	63.27	63.38	68.76	68.24	68.46	89.00	64.79	46.67
343.30	63.49	63.60	69.60	68.88	71.64	94.38	67.11	47.51
343.40	63.93	64.04	70.86	69.61	72.40	89.21	66.76	48.05
343.40	64.21	64.26	70.61	69.61	69.52	84.16	65.44	48.13
343.50	64.04	64.10	69.56	69.03	67.00	80.76	65.09	47.69
343.60	63.82	63.88	69.29	68.81	68.92	88.81	66.10	48.00
343.70	63.93	64.04	69.69	69.31	71.35	94.46	67.03	48.40
343.80	64.10	64.21	70.36	69.72	71.79	89.19	65.79	48.04
343.80	63.93	64.04	69.81	69.31	68.72	83.83	63.88	47.43
343.90	63.38	63.49	68.43	68.28	65.79	79.88	63.58	46.69
344.00	62.94	63.05	68.11	67.90	67.57	87.64	64.36	46.59
344.10	62.83	62.94	68.33	68.22	70.08	93.82	65.22	46.47
344.10	62.99	63.11	69.33	68.68	71.09	88.82	65.04	46.56
344.20	62.99	63.11	69.00	68.44	68.07	83.53	63.46	46.74
344.30	62.66	62.72	67.81	67.66	65.22	79.24	63.63	46.02
344.40	62.39	62.50	67.72	67.47	67.86	86.76	65.47	46.21
344.50	62.72	62.83	68.50	68.24	70.71	93.63	67.74	47.08
344.50	63.33	63.44	69.82	69.19	71.86	89.14	67.38	47.69
344.60	63.49	63.55	69.24	68.97	68.42	83.72	64.46	47.48
344.70	63.05	63.16	67.88	68.07	65.35	79.11	64.39	46.97
344.80	62.50	62.61	67.28	67.53	66.72	86.26	63.92	46.49
344.80	62.44	62.50	67.53	67.87	69.51	93.17	65.76	46.50
344.90	62.66	62.72	68.64	68.40	70.68	88.64	65.82	46.81
345.00	62.61	62.66	68.03	68.04	67.26	83.21	62.43	46.05

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
345.10	62.00	62.06	66.64	67.00	64.04	78.50	62.00	45.08
345.20	61.50	61.61	66.33	66.60	66.25	85.47	63.72	45.48
345.20	61.73	61.84	67.00	67.25	68.89	92.75	65.96	46.15
345.30	62.22	62.33	68.46	68.11	70.67	88.58	66.97	46.92
345.40	62.55	62.66	68.29	68.25	67.81	83.18	64.50	46.55
345.50	62.39	62.50	67.28	67.60	64.86	78.47	64.61	46.21
345.60	62.22	62.28	66.97	67.35	66.42	85.19	65.19	46.89
345.60	62.39	62.50	67.22	67.90	68.71	92.62	66.26	47.44
345.70	62.55	62.66	67.94	68.32	69.71	88.56	64.94	46.90
345.80	62.33	62.44	67.33	67.92	66.79	82.88	62.01	45.71
345.90	61.78	61.89	66.11	66.93	63.67	77.79	62.60	45.32
345.90	61.45	61.50	65.86	66.51	65.25	84.17	63.55	45.75
346.00	61.34	61.50	65.86	66.82	67.29	91.80	64.37	45.78
346.10	61.56	61.67	66.96	67.39	69.11	88.20	64.57	45.80
346.20	61.67	61.78	66.83	67.38	66.64	82.66	62.74	45.65
346.30	61.45	61.56	65.89	66.72	63.64	77.64	63.31	45.33
346.30	61.17	61.28	65.61	66.39	65.18	83.31	64.97	45.67
346.40	61.39	61.50	66.17	67.04	68.39	91.40	68.42	46.69
346.50	62.17	62.28	67.79	68.18	70.33	88.53	68.66	47.83
346.60	62.50	62.61	67.50	68.25	67.35	82.94	65.07	47.47
346.70	62.11	62.17	65.96	67.29	63.70	77.56	63.86	46.25
346.70	61.45	61.56	65.21	66.54	64.25	82.79	63.14	45.87
346.80	61.17	61.28	65.15	66.69	66.64	90.75	64.88	45.94
346.90	61.45	61.56	66.44	67.33	68.96	88.00	66.56	46.74
347.00	61.61	61.73	66.28	67.32	66.24	82.35	63.31	46.13
347.00	61.17	61.23	64.85	66.42	62.59	77.08	62.14	45.03
347.10	60.62	60.68	64.40	65.81	63.80	81.86	63.86	45.43
347.20	60.79	60.90	65.00	66.36	66.82	90.29	66.68	46.33
347.30	61.28	61.39	66.17	67.24	68.57	87.93	66.29	47.38
347.40	61.45	61.56	66.06	67.33	66.18	82.10	63.92	47.37
347.40	61.34	61.39	65.07	66.89	63.10	76.89	64.14	47.05
347.50	61.06	61.17	64.64	66.39	63.87	81.19	64.15	47.06
347.60	61.06	61.17	64.60	66.64	65.97	89.70	65.21	46.89
347.70	61.23	61.34	65.38	67.18	67.67	87.54	65.29	46.61
347.70	61.17	61.23	65.19	66.97	65.43	81.79	63.01	45.73
347.80	60.79	60.84	64.07	66.15	62.09	76.35	62.36	45.16
347.90	60.40	60.51	63.71	65.68	62.87	80.19	63.58	46.03
348.00	60.40	60.51	63.71	65.97	65.07	88.89	64.28	45.94
348.10	60.51	60.62	64.54	66.39	67.00	87.28	64.82	45.79
348.10	60.68	60.79	64.82	66.57	65.42	81.60	63.67	46.22
348.20	60.57	60.68	63.87	66.08	62.01	76.25	62.69	46.20
348.30	60.23	60.29	63.34	65.60	62.62	79.30	63.74	46.98
348.40	60.34	60.46	63.71	66.11	65.43	88.24	66.42	48.01
348.50	61.01	61.12	65.11	67.26	68.07	87.41	68.38	51.49
348.50	61.39	61.50	65.10	67.47	65.61	81.61	64.49	49.60
348.60	61.06	61.12	63.66	66.61	61.74	76.09	62.11	47.47
348.70	60.40	60.46	62.89	65.71	61.88	78.59	62.94	47.50
348.80	60.18	60.29	62.97	65.82	64.47	87.56	65.29	47.31
348.80	60.57	60.68	64.26	66.69	67.11	86.99	67.76	49.90
348.90	60.95	61.06	64.43	67.03	65.07	81.25	64.13	48.89
349.00	60.57	60.68	62.97	66.14	61.22	75.72	61.12	46.64
349.10	59.90	59.96	62.28	65.27	61.27	77.84	62.35	46.82
349.20	59.85	59.90	62.68	65.58	64.16	86.86	65.36	47.47
349.20	60.29	60.40	63.76	66.49	66.44	86.80	66.44	51.56
349.30	60.73	60.84	64.14	67.11	65.25	81.04	64.96	51.91

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
349.40	60.95	61.01	63.50	66.94	62.09	75.81	63.49	50.88
349.50	60.79	60.90	63.01	66.43	62.06	77.51	64.40	51.10
349.50	60.79	60.90	62.97	66.68	64.17	86.50	65.63	50.65
349.60	60.95	61.06	63.53	67.14	65.86	86.83	65.71	52.74
349.70	60.95	61.06	63.58	67.14	64.39	80.74	63.35	51.17
349.80	60.62	60.73	62.51	66.44	61.05	75.25	61.69	49.61
349.90	60.34	60.46	62.19	65.99	61.33	76.55	64.57	51.17
349.90	60.29	60.40	62.13	66.18	63.15	85.68	64.51	50.24
350.00	60.34	60.46	62.69	66.54	65.19	86.43	65.18	52.22
350.10	60.51	60.62	63.19	66.82	64.33	80.57	63.95	51.87
350.20	60.51	60.57	62.43	66.49	61.19	75.19	62.09	50.70
350.30	60.23	60.34	61.90	66.00	60.94	75.74	63.94	51.24
350.30	60.40	60.51	62.30	66.47	64.22	85.00	67.35	52.10
350.40	61.28	61.34	63.72	67.76	66.73	86.79	69.15	56.72
350.50	61.78	61.89	63.96	68.33	65.32	80.85	65.83	55.76
350.60	61.50	61.56	62.58	67.54	61.22	75.21	62.12	52.75
350.60	60.73	60.79	61.41	66.40	60.22	75.15	62.83	52.76
350.70	60.34	60.46	61.33	66.36	62.58	84.15	64.65	52.40
350.80	60.68	60.79	62.56	67.18	65.81	86.32	68.39	56.40
350.90	61.39	61.50	63.46	68.01	65.06	80.56	66.40	56.33
351.00	61.28	61.39	62.28	67.36	61.14	75.01	62.19	53.08
351.00	60.68	60.73	61.30	66.41	60.22	74.57	63.48	53.05
351.10	60.51	60.57	61.53	66.56	63.12	83.77	65.33	53.23
351.20	60.95	61.01	62.59	67.43	65.66	86.38	67.61	57.00
351.30	61.56	61.67	63.46	68.36	65.33	80.63	66.75	58.08
351.30	61.95	62.00	63.02	68.47	62.34	75.29	65.19	56.43
351.40	61.89	62.00	62.38	67.97	61.35	74.56	65.68	56.76
351.50	61.84	61.95	62.26	67.97	63.56	83.61	66.42	56.60
351.60	61.89	62.00	62.60	68.39	65.15	86.54	66.11	58.67
351.70	62.00	62.11	63.05	68.74	64.75	80.44	65.61	58.44
351.70	61.89	61.95	62.23	68.29	61.49	74.89	63.38	55.76
351.80	61.67	61.78	61.76	67.81	60.78	73.82	65.72	57.40
351.90	61.73	61.84	61.97	67.97	63.17	82.97	66.39	57.72
352.00	61.95	62.06	62.53	68.56	65.32	86.50	67.22	59.69
352.10	62.17	62.28	63.05	68.96	64.92	80.43	65.79	59.30
352.10	62.17	62.22	62.45	68.69	61.94	74.98	64.44	57.27
352.20	62.00	62.11	61.92	68.25	60.90	73.36	66.06	57.74
352.30	62.22	62.33	62.47	68.65	64.00	82.58	68.89	59.01
352.40	62.99	63.11	63.65	69.89	66.88	86.92	71.21	63.76
352.40	63.66	63.77	64.36	70.67	66.53	81.03	69.36	63.81
352.50	63.60	63.71	63.24	70.25	62.60	75.36	65.21	60.05
352.60	62.94	62.99	61.93	69.15	60.61	72.93	64.95	59.96
352.70	62.66	62.77	62.19	69.08	63.42	81.97	67.32	60.67
352.80	63.16	63.27	63.31	70.12	66.64	86.64	71.01	64.79
352.80	63.99	64.04	64.33	71.09	66.60	81.06	69.14	65.42
352.90	64.04	64.15	63.51	70.75	63.10	75.63	66.00	61.60
353.00	63.49	63.60	62.33	69.78	61.03	72.89	65.89	60.97
353.10	63.16	63.22	62.43	69.61	63.62	81.65	67.63	61.39
353.20	63.60	63.71	63.58	70.56	66.97	86.82	71.97	65.75
353.20	64.43	64.49	64.72	71.71	67.33	81.23	70.86	67.51
353.30	64.76	64.82	64.19	71.73	64.14	75.78	68.26	64.38
353.40	64.65	64.71	63.35	71.14	62.21	72.86	68.58	64.09
353.50	64.65	64.71	63.52	71.20	64.60	81.62	69.36	65.47
353.50	64.87	64.93	63.91	71.78	66.63	86.98	69.83	68.03
353.60	65.26	65.31	64.86	72.58	67.53	81.43	70.56	68.84

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
353.70	65.48	65.59	64.50	72.53	64.54	75.99	68.47	65.89
353.80	65.42	65.48	63.78	71.96	62.70	72.83	69.51	66.33
353.90	65.42	65.53	64.04	72.11	65.11	81.44	70.14	67.75
353.90	65.76	65.81	64.51	72.77	67.23	87.23	71.04	69.93
354.00	66.03	66.09	65.24	73.35	67.79	81.67	70.63	70.36
354.10	66.09	66.14	64.85	73.15	64.95	76.21	69.22	67.08
354.20	66.03	66.09	64.22	72.68	63.08	72.64	70.37	66.68
354.20	66.03	66.09	64.45	72.68	65.58	80.97	71.75	67.98
354.30	66.58	66.64	65.40	73.76	68.79	87.26	74.97	72.44
354.40	67.36	67.41	66.57	74.83	69.49	82.18	74.18	74.32
354.50	67.58	67.63	65.94	74.75	66.10	76.71	70.86	70.27
354.60	67.14	67.25	64.68	73.79	63.42	72.70	70.02	69.10
354.60	66.80	66.91	64.68	73.58	65.75	80.70	71.07	70.72
354.70	67.25	67.30	65.67	74.48	68.88	87.29	74.33	74.29
354.80	67.96	68.02	66.78	75.55	69.81	82.42	74.08	76.19
354.90	68.19	68.24	66.16	75.47	66.37	76.96	70.51	71.72
355.00	67.58	67.69	64.72	74.29	63.35	72.52	69.68	69.71
355.00	67.19	67.25	64.82	74.01	65.77	80.18	71.34	71.00
355.10	67.58	67.69	65.97	74.83	69.51	87.13	76.57	74.99
355.20	68.47	68.58	67.38	76.14	70.68	82.68	76.25	78.08
355.30	68.97	69.03	67.12	76.44	67.79	77.22	73.80	74.22
355.30	68.91	69.03	66.14	75.81	65.04	72.79	73.25	72.65
355.40	68.80	68.86	66.22	75.67	67.28	80.19	74.06	74.73
355.50	69.03	69.08	66.56	76.25	69.31	87.31	74.29	77.17
355.60	69.30	69.36	67.40	77.01	70.54	82.79	74.74	79.14
355.70	69.47	69.53	67.13	77.00	67.74	77.37	73.01	75.32
355.70	69.25	69.36	66.07	76.26	64.93	72.61	72.99	73.58
355.80	69.03	69.08	65.99	75.95	67.28	79.63	72.99	75.81
355.90	69.08	69.19	66.31	76.46	69.17	86.88	73.93	77.75
356.00	69.47	69.53	67.46	77.30	70.87	82.88	75.68	80.41
356.00	69.81	69.86	67.47	77.46	68.30	77.53	74.21	76.50
356.10	69.92	69.98	66.79	77.03	65.86	72.81	75.18	74.91
356.20	69.92	69.98	67.01	76.84	68.19	79.39	75.87	76.44
356.30	70.48	70.53	68.03	77.88	71.71	87.26	79.78	80.74
356.40	71.32	71.43	69.40	79.22	73.14	83.86	79.86	84.57
356.40	71.76	71.82	69.04	79.40	69.86	78.34	75.90	79.81
356.50	71.21	71.26	67.30	78.18	65.92	73.04	73.71	76.11
356.60	70.37	70.42	66.62	77.23	67.06	78.78	73.13	77.65
356.70	70.31	70.37	67.13	77.78	70.14	86.58	76.18	80.57
356.80	70.87	70.98	68.46	78.96	71.96	83.33	77.28	84.79
356.80	71.26	71.32	68.20	79.14	69.03	77.93	74.19	79.99
356.90	70.87	70.93	66.85	78.09	65.58	72.79	73.37	76.20
357.00	70.48	70.59	66.88	77.54	67.43	78.31	74.47	78.31
357.10	70.87	70.93	67.86	78.39	71.43	86.44	79.74	81.97
357.10	71.88	71.99	69.74	79.97	73.97	83.99	81.72	87.22
357.20	72.72	72.83	70.01	80.61	71.57	78.97	78.94	82.99
357.30	72.83	72.88	69.04	80.04	68.13	74.05	77.74	79.34
357.40	72.49	72.55	68.71	79.46	69.31	78.71	77.49	81.64
357.50	72.44	72.55	68.79	79.86	71.46	86.81	77.54	83.64
357.50	72.55	72.66	69.40	80.50	72.75	84.22	77.49	87.04
357.60	72.49	72.60	69.01	80.39	70.11	78.57	75.28	82.08
357.70	72.10	72.16	67.76	79.44	66.65	73.32	74.77	78.28
357.80	71.54	71.65	67.33	78.72	67.65	77.36	74.85	81.22
357.90	71.54	71.65	67.79	79.14	70.68	85.75	77.00	83.35
357.90	72.16	72.21	69.32	80.33	73.44	84.06	80.33	88.64

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON	ROW 6
358.00	72.88	72.94	69.77	81.06	71.43	78.93	78.48	84.57	
358.10	73.16	73.22	69.16	80.67	68.41	74.03	78.25	80.69	
358.20	73.16	73.22	69.16	80.31	69.69	77.81	78.76	82.39	
358.20	73.55	73.67	70.14	81.08	73.53	86.69	82.78	86.19	
358.30	74.34	74.39	71.44	82.38	75.46	85.36	83.01	91.61	
358.40	74.67	74.73	71.11	82.65	72.66	79.83	79.23	86.51	
358.50	74.11	74.17	69.39	81.44	68.30	74.46	76.10	80.62	
358.60	73.22	73.27	68.54	80.25	68.47	77.16	75.89	82.53	
358.60	72.88	72.99	68.74	80.43	71.29	85.50	77.57	85.11	
358.70	73.22	73.33	69.75	81.42	73.36	84.61	79.01	90.47	
358.80	73.50	73.55	69.66	81.67	71.10	79.10	76.00	85.69	
358.90	73.22	73.27	68.49	80.85	67.62	73.91	75.20	80.40	
358.90	72.94	72.99	68.38	80.21	68.41	76.53	76.73	82.93	
359.00	73.16	73.27	69.29	80.82	72.47	85.43	81.36	85.81	
359.10	74.11	74.22	71.14	82.36	75.82	85.33	84.54	92.75	
359.20	75.12	75.18	71.95	83.34	74.22	80.36	82.42	88.79	
359.30	75.29	75.34	70.89	82.79	70.20	75.36	79.24	83.15	
359.30	74.78	74.90	70.14	81.89	70.00	76.92	79.11	85.13	
359.40	74.62	74.67	70.28	82.06	72.66	85.63	79.95	87.13	
359.50	74.78	74.84	71.06	82.83	74.61	85.71	80.63	92.14	
359.60	74.78	74.84	70.83	82.95	72.49	80.03	77.97	87.63	
359.70	74.34	74.45	69.47	81.99	68.61	74.71	75.75	81.64	
359.70	73.67	73.72	68.66	80.93	68.36	75.59	76.34	84.16	
359.80	73.39	73.44	68.83	81.01	71.43	84.41	78.38	86.33	
359.90	73.89	73.95	70.28	82.12	74.33	85.44	81.29	92.26	
360.00	74.62	74.67	71.00	83.02	73.39	80.13	80.38	89.22	
360.00	74.84	74.90	70.28	82.64	69.86	75.18	78.11	83.29	
360.10	74.67	74.73	70.00	81.94	69.92	75.89	79.75	84.65	
360.20	74.78	74.84	70.56	82.22	73.33	85.01	82.61	87.37	
360.30	75.29	75.34	71.61	83.33	75.62	86.38	82.85	93.13	
360.40	75.62	75.68	71.84	83.84	74.11	80.86	80.69	89.95	
360.40	75.40	75.46	70.61	83.08	69.97	75.57	77.12	83.08	
360.50	74.62	74.67	69.50	81.76	68.97	75.31	77.38	84.60	
360.60	74.17	74.22	69.55	81.68	71.76	84.05	78.90	86.52	
360.70	74.39	74.45	70.50	82.56	74.22	85.85	80.33	92.26	
360.70	74.78	74.84	70.83	83.13	73.05	80.38	78.74	89.63	
360.80	74.73	74.84	69.97	82.61	69.56	75.36	77.00	83.47	
360.90	74.56	74.62	69.67	81.94	69.19	75.08	78.78	85.05	
361.00	74.62	74.73	70.25	82.14	72.57	84.18	81.43	87.07	
361.10	75.18	75.23	71.56	83.22	75.79	86.71	83.76	92.94	
361.10	75.85	75.96	72.37	84.15	75.14	81.47	82.75	91.04	
361.20	75.96	76.01	71.40	83.64	71.15	76.39	79.14	84.49	
361.30	75.34	75.40	70.33	82.54	69.75	75.07	79.21	85.24	
361.40	75.06	75.12	70.56	82.51	72.54	83.98	80.39	87.15	
361.50	75.29	75.40	71.36	83.36	74.97	87.01	81.33	92.15	
361.50	75.46	75.51	71.56	83.68	73.83	81.31	79.24	90.04	
361.60	75.12	75.18	70.33	82.92	69.97	75.90	76.67	83.65	
361.70	74.45	74.50	69.28	81.71	68.47	74.18	77.04	84.51	
361.80	74.06	74.11	69.39	81.56	71.49	82.89	79.22	86.58	
361.80	74.45	74.56	70.69	82.64	74.86	86.88	82.39	92.08	
361.90	75.18	75.29	71.69	83.61	74.70	81.68	81.82	91.13	
362.00	75.34	75.40	70.83	83.20	70.76	76.47	78.01	84.64	
362.10	74.95	75.06	70.14	82.18	69.33	74.36	79.11	84.11	
362.20	74.90	74.95	70.61	82.22	72.94	83.29	82.72	86.82	
362.20	75.34	75.40	71.73	83.33	75.85	87.65	84.19	92.10	

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
362.30	75.96	76.07	72.71	84.26	75.71	82.36	83.37	91.47
362.40	76.07	76.13	71.90	83.86	71.93	77.20	80.11	85.19
362.50	75.34	75.40	70.39	82.54	69.42	74.46	78.53	84.30
362.60	74.67	74.73	70.17	82.00	71.99	82.72	80.09	86.26
362.60	74.78	74.84	70.83	82.71	74.45	87.36	81.32	90.89
362.70	75.12	75.23	71.58	83.49	74.42	82.06	80.57	90.74
362.80	75.18	75.23	70.83	83.10	70.87	76.83	78.01	84.73
362.90	74.67	74.73	69.78	81.94	68.80	73.96	78.11	83.72
362.90	74.39	74.45	70.00	81.72	71.76	82.53	80.58	85.14
363.00	74.62	74.73	71.03	82.50	75.25	87.74	83.58	89.82
363.10	75.29	75.34	72.17	83.51	75.40	82.72	82.76	90.46
363.20	75.46	75.51	71.51	83.26	71.82	77.55	79.75	84.42
363.30	75.01	75.06	70.44	82.15	69.53	74.12	79.57	83.29
363.30	74.56	74.67	70.42	81.79	71.74	82.38	79.83	85.00
363.40	74.67	74.78	71.03	82.39	74.42	87.96	81.40	89.04
363.50	74.84	74.90	71.50	82.94	74.22	82.71	79.65	89.10
363.60	74.62	74.67	70.56	82.36	70.65	77.24	77.20	83.24
363.60	73.89	73.95	69.11	81.04	67.90	73.26	76.56	81.84
363.70	73.27	73.39	68.97	80.51	70.22	81.10	77.69	83.79
363.80	73.39	73.44	69.66	81.19	73.16	87.36	79.93	87.42
363.90	73.83	73.89	70.78	82.06	74.00	82.67	80.54	88.94
364.00	74.06	74.17	70.42	82.01	70.96	77.50	78.39	83.47
364.00	73.78	73.83	69.44	80.98	68.47	73.51	78.43	81.05
364.10	73.39	73.44	69.49	80.47	70.98	81.26	79.67	82.44
364.20	73.44	73.55	70.14	81.04	73.64	87.71	81.21	86.25
364.30	73.83	73.95	71.08	81.90	74.31	83.14	80.82	87.81
364.40	73.89	74.00	70.47	81.67	71.01	77.77	77.97	82.29
364.40	73.33	73.39	69.04	80.42	67.85	73.32	76.61	79.76
364.50	72.49	72.55	68.43	79.46	69.42	80.46	76.37	80.96
364.60	72.27	72.32	68.71	79.84	71.82	87.04	77.78	84.13
364.70	72.44	72.49	69.49	80.49	72.49	82.50	77.35	85.90
364.70	72.32	72.38	68.76	80.08	69.14	77.06	74.74	80.45
364.80	71.71	71.76	67.42	78.86	66.15	72.40	74.38	77.63
364.90	71.26	71.32	67.47	78.24	68.41	79.67	76.26	78.97
365.00	71.37	71.49	68.23	78.86	71.63	86.88	78.72	82.07
365.10	71.88	71.93	69.32	79.82	72.77	82.82	78.51	84.58
365.10	71.93	72.04	68.85	79.60	69.56	77.49	75.75	79.15
365.20	71.54	71.60	67.76	78.58	66.60	72.68	75.51	76.53
365.30	71.15	71.26	67.89	78.15	68.82	79.50	76.79	78.54
365.40	71.43	71.54	68.68	78.86	71.90	87.19	79.29	81.63
365.40	71.88	71.93	69.60	79.69	72.60	83.52	77.48	83.74
365.50	71.71	71.76	68.76	79.29	69.31	77.85	74.72	78.65
365.60	71.15	71.21	67.42	78.19	66.15	72.72	74.43	75.80
365.70	70.48	70.59	67.04	77.43	67.88	78.83	74.22	77.36
365.80	70.31	70.42	67.32	77.63	70.22	86.61	76.11	79.32
365.80	70.59	70.65	68.31	78.42	71.60	83.11	76.71	82.29
365.90	70.65	70.70	67.92	78.29	68.75	77.75	74.27	77.51
366.00	70.20	70.26	66.62	77.18	65.41	72.65	73.47	73.74
366.10	69.53	69.58	66.33	76.27	66.94	78.21	74.27	74.43
366.20	69.36	69.47	66.82	76.61	69.78	86.19	76.46	76.76
366.20	69.81	69.92	68.28	77.61	71.90	83.32	78.36	80.35
366.30	70.37	70.42	68.47	77.95	69.53	78.17	75.89	76.47
366.40	70.20	70.26	67.41	77.12	66.20	73.35	74.68	73.23
366.50	69.58	69.64	66.84	76.26	67.40	78.44	74.50	74.49
366.50	69.42	69.47	67.13	76.52	69.97	86.57	76.66	76.45

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
366.60	69.81	69.86	68.19	77.46	71.54	83.91	76.88	79.64
366.70	69.86	69.92	67.75	77.33	68.47	78.28	73.06	75.19
366.80	69.25	69.30	66.16	76.11	64.79	73.01	72.01	71.17
366.90	68.52	68.58	65.71	75.14	65.97	77.73	73.01	71.89
366.90	68.41	68.47	66.16	75.39	68.80	86.19	75.05	73.06
367.00	68.52	68.63	67.04	76.01	70.33	83.61	74.93	76.43
367.10	68.47	68.58	66.75	75.84	67.71	78.06	72.03	71.86
367.20	68.02	68.07	65.54	74.76	64.33	72.84	71.47	68.40
367.20	67.63	67.74	65.63	74.22	65.85	77.32	73.36	70.61
367.30	67.96	68.02	66.44	74.89	69.25	86.26	76.24	72.53
367.40	68.47	68.52	67.57	75.81	70.87	84.50	75.97	75.84
367.50	68.58	68.63	67.29	75.80	68.24	78.84	72.80	72.12
367.60	68.24	68.30	66.16	74.92	65.01	73.68	72.38	68.63
367.60	67.69	67.74	65.65	74.13	65.47	77.26	71.83	70.04
367.70	67.36	67.47	65.64	74.14	67.83	85.88	73.08	70.43
367.80	67.47	67.58	66.54	74.72	69.68	84.40	74.22	73.86
367.90	67.63	67.69	66.61	74.86	67.86	78.95	72.72	70.50
368.00	67.25	67.30	65.38	73.94	64.13	73.66	70.44	66.26
368.00	66.47	66.53	64.67	72.81	64.43	76.58	70.81	66.17
368.10	66.03	66.14	64.76	72.71	66.90	85.36	72.56	66.79
368.20	66.25	66.31	65.92	73.38	69.29	84.33	74.56	70.58
368.30	66.58	66.69	66.32	73.74	67.68	78.91	72.40	67.96
368.30	66.47	66.53	65.29	73.06	64.15	73.78	70.29	64.44
368.40	65.87	65.98	64.60	72.12	64.25	76.46	70.50	65.33
368.50	65.59	65.64	64.63	72.13	66.78	85.25	72.44	65.90
368.60	65.87	65.92	65.69	72.88	68.97	84.65	73.75	69.44
368.70	65.98	66.09	65.61	72.96	66.74	79.01	70.08	66.39
368.70	65.42	65.53	64.15	71.93	62.78	73.64	67.29	62.21
368.80	64.71	64.82	63.55	70.92	63.26	75.75	69.61	62.62
368.90	64.60	64.65	63.98	71.08	66.13	84.97	71.81	62.74
369.00	64.87	64.93	64.93	71.84	67.99	84.81	71.73	66.74
369.10	64.87	64.93	64.93	71.78	66.12	79.04	68.71	63.19
369.10	64.43	64.49	63.81	70.86	62.62	73.69	66.79	59.55
369.20	63.93	63.99	63.43	70.01	62.86	75.40	68.90	60.69
369.30	63.99	64.10	64.07	70.39	66.22	84.85	72.53	61.64
369.40	64.43	64.54	65.19	71.13	68.32	85.28	72.61	64.59
369.40	64.60	64.71	65.18	71.29	66.39	79.58	69.25	62.24
369.50	64.15	64.21	63.87	70.47	62.62	74.13	66.26	58.75
369.60	63.49	63.55	63.16	69.45	62.36	75.15	67.61	59.47
369.70	63.11	63.16	63.05	69.31	64.52	84.22	68.26	58.83
369.80	63.11	63.16	63.73	69.74	66.62	85.00	69.65	61.86
369.80	63.22	63.27	64.00	69.97	65.32	79.34	67.42	60.41
369.90	62.94	63.05	62.97	69.36	61.83	74.01	64.54	57.28
370.00	62.39	62.44	62.33	68.43	61.53	74.58	66.06	56.53
370.10	62.11	62.22	62.53	68.30	64.18	83.79	68.43	56.45
370.10	62.39	62.50	63.72	69.06	66.72	85.29	70.18	59.44
370.20	62.83	62.94	64.56	69.56	66.32	79.86	69.57	58.66
370.30	62.94	63.05	63.99	69.18	63.03	74.81	66.82	56.15
370.40	62.50	62.55	63.12	68.29	62.10	74.96	67.05	56.03
370.50	62.11	62.22	62.88	68.06	64.07	84.06	67.57	55.40
370.50	62.11	62.17	63.53	68.51	66.48	85.60	69.18	58.26
370.60	62.28	62.33	63.97	68.80	65.34	79.82	66.92	56.94
370.70	61.89	61.95	62.74	68.00	61.61	74.44	63.47	53.75
370.80	61.06	61.17	61.72	66.82	60.64	74.10	64.50	52.85
370.90	60.73	60.79	61.81	66.78	63.17	83.29	66.33	52.15

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
370.90	60.90	61.01	62.67	67.39	65.51	85.49	67.57	55.58
371.00	61.17	61.28	63.30	67.79	64.72	79.82	65.40	54.46
371.10	60.95	61.06	62.44	67.08	61.38	74.51	63.08	51.60
371.20	60.46	60.57	61.78	66.15	60.53	73.93	64.42	51.10
371.20	60.40	60.51	62.24	66.35	63.60	83.43	67.61	51.49
371.30	60.90	61.01	63.35	67.15	66.08	86.26	68.44	54.00
371.40	61.12	61.17	63.66	67.35	64.97	80.43	65.32	52.97
371.50	60.73	60.84	62.56	66.61	61.44	75.00	62.42	50.69
371.60	60.23	60.34	61.85	65.88	60.44	73.81	63.76	50.63
371.60	60.01	60.12	61.85	65.78	62.71	83.04	64.94	49.78
371.70	60.07	60.18	62.42	66.20	64.69	86.25	65.18	51.51
371.80	60.12	60.18	62.78	66.41	64.10	80.42	63.28	51.36
371.90	59.85	59.96	62.03	65.92	61.13	75.00	61.63	49.62
371.90	59.41	59.52	61.35	65.11	59.89	73.43	62.58	48.46
372.00	59.13	59.24	61.42	65.01	62.33	82.79	64.32	47.56
372.10	59.46	59.57	62.49	65.60	65.11	86.51	66.32	48.69
372.20	59.90	59.96	63.46	66.07	65.07	80.99	65.24	48.23
372.30	59.96	60.07	63.03	65.85	62.19	75.90	63.58	47.17
372.30	59.57	59.68	62.15	64.97	60.74	73.94	63.19	46.51
372.40	59.19	59.30	61.81	64.71	62.56	82.93	63.85	46.38
372.50	59.35	59.46	62.65	65.29	65.28	86.93	66.21	47.96
372.60	59.74	59.85	63.56	65.86	65.22	81.29	64.75	47.74
372.70	59.63	59.74	62.76	65.39	61.76	76.01	61.67	46.13
372.70	59.08	59.13	61.62	64.44	59.87	73.69	61.70	45.27
372.80	58.63	58.74	61.49	64.22	62.17	82.65	63.13	45.28
372.90	58.80	58.91	62.28	64.86	64.67	87.17	64.43	46.87
373.00	59.13	59.24	63.22	65.32	64.89	81.57	63.35	45.71
373.00	59.19	59.24	62.80	64.98	61.97	76.44	61.64	44.23
373.10	58.85	58.91	61.96	64.16	60.22	73.83	62.09	44.07
373.20	58.68	58.80	62.22	64.14	63.19	82.97	63.97	44.55
373.30	59.08	59.13	63.03	64.81	65.38	87.93	65.03	45.09
373.40	59.35	59.41	63.76	65.27	65.31	82.37	63.12	44.58
373.40	59.13	59.24	62.99	64.83	62.10	76.93	60.81	43.76
373.50	58.80	58.91	62.22	64.07	60.35	73.97	61.63	43.69
373.60	58.68	58.74	62.36	63.99	62.77	82.86	63.07	44.17
373.70	58.96	59.08	63.12	64.72	65.46	88.28	64.86	44.65
373.80	59.35	59.41	64.10	65.33	65.71	82.90	63.20	44.32
373.80	59.24	59.35	63.51	64.94	62.62	77.65	61.10	43.78
373.90	58.85	58.91	62.47	64.10	60.50	74.18	61.31	43.01
374.00	58.74	58.85	62.83	64.19	63.19	83.03	63.76	43.90
374.10	59.24	59.41	63.93	65.10	66.22	88.92	65.60	44.97
374.10	59.79	59.90	65.14	65.68	66.92	83.79	64.29	45.06
374.20	59.90	60.01	64.74	65.54	63.96	78.65	62.30	44.73
374.30	59.57	59.63	63.64	64.63	61.44	74.97	61.67	43.92
374.40	59.13	59.19	63.26	64.32	63.16	83.20	61.93	43.83
374.50	59.30	59.41	64.13	65.00	66.42	89.20	65.18	44.72
374.50	59.90	59.96	65.50	65.76	67.45	84.31	64.72	45.06
374.60	60.01	60.12	65.01	65.60	64.24	79.11	61.88	44.40
374.70	59.63	59.68	63.87	64.75	61.56	75.29	61.29	43.45
374.80	59.19	59.30	63.56	64.39	63.47	83.29	62.10	43.03
374.80	59.35	59.46	64.40	65.06	66.53	89.60	64.81	44.17
374.90	59.90	60.01	65.86	65.92	67.88	84.86	64.57	44.28
375.00	60.18	60.23	65.66	65.79	65.00	79.86	62.46	44.54
375.10	59.96	60.01	64.71	65.08	62.46	75.79	62.58	44.14
375.20	59.68	59.79	64.63	64.83	64.93	83.68	64.08	44.51

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
375.20	60.12	60.23	65.51	65.71	67.58	90.35	65.40	45.22
375.30	60.51	60.62	66.58	66.28	68.47	85.64	64.31	45.08
375.40	60.62	60.68	66.27	66.11	65.61	80.47	62.28	44.82
375.50	60.40	60.51	65.35	65.49	63.03	76.25	62.71	44.62
375.60	60.34	60.46	65.51	65.43	65.14	83.89	63.88	44.92
375.60	60.68	60.79	66.13	66.19	67.97	90.88	65.07	45.34
375.70	60.95	61.06	67.14	66.72	68.86	86.40	63.60	44.83
375.80	60.90	60.95	66.66	66.39	65.83	81.18	61.07	44.30
375.90	60.62	60.68	65.82	65.74	63.35	76.79	62.11	44.11
375.90	60.51	60.62	65.85	65.60	65.36	84.06	63.78	44.56
376.00	60.90	61.01	66.75	66.36	68.64	91.26	66.00	45.56
376.10	61.39	61.56	68.06	67.13	69.99	87.21	64.95	45.75
376.20	61.56	61.67	67.86	67.01	67.26	82.11	63.17	45.72
376.30	61.34	61.39	66.82	66.28	64.40	77.58	63.26	45.11
376.30	60.95	61.06	66.40	65.86	65.64	84.14	63.17	44.92
376.40	61.17	61.23	67.16	66.54	69.21	91.33	66.33	46.09
376.50	61.84	61.95	68.92	67.60	71.35	87.78	67.29	46.79
376.60	62.28	62.33	68.93	67.71	68.51	82.88	64.64	46.77
376.60	62.06	62.17	67.74	67.03	65.14	78.32	62.87	45.78
376.70	61.61	61.73	67.24	66.51	66.36	84.53	62.69	45.24
376.80	61.78	61.89	67.90	67.18	69.72	92.04	65.57	46.21
376.90	62.28	62.39	69.29	67.97	71.39	88.55	65.28	46.53
377.00	62.55	62.66	69.39	68.00	68.93	83.61	64.15	46.90
377.00	62.39	62.50	68.35	67.36	65.76	78.90	63.56	46.21
377.10	62.06	62.17	67.96	66.89	67.14	84.61	64.36	46.22
377.20	62.33	62.44	68.74	67.61	70.27	92.22	66.21	46.94
377.30	62.83	62.94	70.06	68.40	72.22	89.08	66.26	47.28
377.40	62.99	63.11	69.94	68.32	69.36	84.04	63.55	47.09
377.40	62.88	62.94	69.03	67.76	66.40	79.36	63.76	46.95
377.50	62.83	62.94	69.06	67.68	68.01	84.85	65.14	47.19
377.60	63.16	63.27	69.72	68.36	71.25	92.68	66.95	47.88
377.70	63.66	63.77	70.93	69.15	72.92	90.06	65.69	48.03
377.70	63.82	63.93	70.98	69.26	70.46	85.12	63.85	48.03
377.80	63.66	63.77	70.04	68.61	67.38	80.32	63.94	47.50
377.90	63.38	63.49	69.65	68.22	68.46	85.04	64.64	47.58
378.00	63.60	63.71	70.15	68.74	71.52	92.85	66.78	48.15
378.10	63.99	64.10	71.36	69.43	73.42	90.46	66.29	48.37
378.10	64.15	64.26	71.47	69.47	71.11	85.44	64.53	48.44
378.20	63.99	64.10	70.54	68.82	67.82	80.74	64.28	48.01
378.30	63.66	63.77	69.99	68.31	68.72	84.87	64.82	47.85
378.40	63.77	63.88	70.60	68.85	72.14	92.75	67.64	48.85
378.50	64.43	64.54	72.25	69.92	74.74	90.97	68.64	49.53
378.50	64.87	64.98	72.63	70.24	72.43	86.24	66.39	49.71
378.60	64.82	64.93	71.57	69.64	68.86	81.54	65.11	49.03
378.70	64.49	64.60	71.03	69.18	69.60	85.25	64.86	48.61
378.80	64.65	64.76	71.51	69.78	72.67	93.25	66.61	49.31
378.80	65.04	65.15	72.85	70.51	75.00	91.64	67.43	49.88
378.90	65.42	65.53	73.33	70.83	73.26	86.86	66.76	50.53
379.00	65.37	65.48	72.33	70.18	69.63	82.18	66.10	49.69
379.10	64.93	65.04	71.51	69.50	69.86	85.07	65.47	49.15
379.20	64.98	65.09	71.96	69.97	73.16	93.06	67.64	49.83
379.20	65.37	65.48	73.22	70.72	75.39	91.88	67.75	50.13
379.30	65.59	65.70	73.44	70.82	73.32	87.10	65.71	50.08
379.40	65.48	65.59	72.61	70.29	69.85	82.38	65.76	49.97
379.50	65.31	65.42	72.17	69.89	70.42	84.83	65.96	49.90

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
379.50	65.53	65.64	72.72	70.47	73.64	93.07	67.83	50.65
379.60	65.98	66.14	74.02	71.35	76.07	92.49	67.78	51.03
379.70	66.31	66.42	74.54	71.58	74.40	87.88	66.25	51.17
379.80	66.14	66.25	73.38	70.93	70.50	83.19	64.94	50.39
379.90	65.81	65.92	72.82	70.43	70.85	84.89	66.28	50.40
379.90	66.09	66.20	73.38	71.00	74.19	93.09	68.72	51.29
380.00	66.58	66.69	74.64	71.86	76.81	92.89	68.96	51.80
380.10	66.86	67.02	75.17	72.10	75.15	88.27	67.26	51.92
380.20	66.69	66.80	74.04	71.43	71.26	83.57	65.75	51.12
380.30	66.25	66.36	73.21	70.68	71.17	84.71	66.36	50.76
380.30	66.25	66.36	73.65	71.11	74.75	92.74	69.24	51.55
380.40	66.75	66.86	75.04	71.97	77.31	93.13	69.64	52.14
380.50	67.25	67.36	75.86	72.51	76.29	88.61	69.10	52.81
380.60	67.30	67.41	74.97	72.08	72.25	84.07	66.81	52.26
380.60	66.91	67.02	74.03	71.39	71.76	84.82	66.15	51.42
380.70	66.97	67.08	74.47	71.82	74.89	92.91	67.88	52.10
380.80	67.36	67.47	75.68	72.68	77.85	93.72	69.54	53.10
380.90	67.85	67.96	76.62	73.17	77.11	89.20	69.61	53.33
381.00	67.96	68.02	75.81	72.71	73.17	84.69	67.88	53.07
381.00	67.58	67.69	74.79	71.99	72.47	84.69	67.78	52.44
381.10	67.47	67.58	74.85	72.18	75.32	92.53	68.71	52.51
381.20	67.80	67.91	76.07	72.93	78.11	93.89	69.47	53.10
381.30	68.19	68.30	76.89	73.39	77.39	89.43	68.82	53.51
381.30	68.19	68.30	76.07	72.89	73.36	84.94	66.64	53.06
381.40	67.80	67.91	75.11	72.21	72.69	84.39	67.64	52.58
381.50	67.91	68.07	75.65	72.65	76.24	92.29	70.55	53.69
381.60	68.52	68.63	77.01	73.65	79.11	94.60	70.61	54.46
381.70	68.97	69.14	78.04	74.25	78.58	90.24	69.89	54.69
381.70	68.91	69.03	76.96	73.68	74.14	85.67	66.68	53.90
381.80	68.41	68.52	75.85	72.82	73.14	84.47	68.00	53.21
381.90	68.35	68.47	76.00	73.07	76.15	92.18	69.76	53.76
382.00	68.75	68.86	77.13	73.88	79.17	94.64	70.58	54.42
382.10	69.08	69.19	77.89	74.28	78.55	90.06	69.28	54.42
382.10	68.97	69.08	77.01	73.68	74.58	85.72	67.35	53.87
382.20	68.58	68.69	76.00	72.99	73.36	84.29	68.00	53.30
382.30	68.47	68.58	76.12	73.06	76.26	91.79	69.44	53.70
382.40	68.80	68.91	77.24	73.88	79.44	94.86	70.72	54.49
382.40	69.30	69.42	78.50	74.56	79.61	90.54	71.23	55.26
382.50	69.53	69.64	78.01	74.36	75.71	86.28	68.96	55.14
382.60	69.25	69.36	77.01	73.65	74.14	84.43	68.93	54.51
382.70	69.19	69.30	77.01	73.85	76.72	91.81	69.39	54.71
382.80	69.42	69.53	77.90	74.49	79.67	95.29	70.39	55.29
382.80	69.70	69.81	78.79	74.96	79.67	90.75	69.99	55.31
382.90	69.70	69.81	78.01	74.53	75.76	86.44	68.25	54.97
383.00	69.25	69.36	76.79	73.65	73.92	84.00	68.42	54.07
383.10	68.97	69.14	76.65	73.53	76.29	91.01	68.86	53.99
383.10	69.19	69.30	77.51	74.21	79.32	95.07	69.91	54.53
383.20	69.53	69.64	78.57	74.72	79.67	90.85	69.21	54.62
383.30	69.47	69.58	77.90	74.25	75.71	86.57	67.16	54.21
383.40	69.14	69.25	76.90	73.49	73.92	83.79	68.31	53.87
383.50	69.03	69.19	76.99	73.58	76.68	90.55	70.03	54.66
383.50	69.47	69.58	78.13	74.49	80.11	95.35	71.31	55.52
383.60	70.03	70.14	79.46	75.29	80.67	91.43	70.67	56.10
383.70	70.09	70.20	78.79	74.92	76.60	87.08	68.04	55.54
383.80	69.64	69.75	77.40	73.99	74.19	83.86	68.29	54.56

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
383.90	69.36	69.47	77.18	73.89	76.54	90.33	69.64	54.71
383.90	69.64	69.75	78.07	74.65	79.78	95.25	70.96	55.35
384.00	70.03	70.14	79.18	75.22	80.50	91.33	70.14	55.40
384.10	70.03	70.14	78.57	74.86	76.76	87.11	67.90	55.05
384.20	69.58	69.70	77.29	73.93	74.25	83.72	68.06	54.24
384.20	69.30	69.42	77.13	73.72	76.49	89.93	69.25	54.30
384.30	69.47	69.64	77.99	74.46	79.81	95.29	71.08	55.03
384.40	69.98	70.09	79.39	75.18	81.06	91.63	71.47	55.78
384.50	70.20	70.37	79.15	75.12	77.52	87.48	69.22	55.77
384.60	69.92	70.03	77.96	74.32	74.75	83.79	68.92	55.10
384.60	69.70	69.81	77.74	74.17	76.65	89.72	69.29	55.05
384.70	69.86	70.03	78.43	74.85	79.81	95.50	70.53	55.78
384.80	70.20	70.31	79.39	75.39	80.89	91.85	70.22	55.65
384.90	70.20	70.31	78.96	75.15	77.32	87.54	68.15	55.39
385.00	69.81	69.92	77.68	74.22	74.47	83.58	68.54	54.56
385.00	69.47	69.58	77.29	73.94	76.21	88.97	68.99	54.47
385.10	69.64	69.75	77.90	74.54	79.39	95.08	70.18	55.17
385.20	70.03	70.14	79.24	75.22	81.00	92.03	69.97	55.40
385.30	70.14	70.26	78.96	75.04	77.61	87.82	68.18	55.16
385.30	69.81	69.92	77.74	74.22	74.54	83.76	68.72	54.56
385.40	69.53	69.70	77.49	73.97	76.40	88.63	70.01	55.00
385.50	69.81	69.98	78.32	74.72	79.86	95.11	71.33	55.81
385.60	70.31	70.48	79.82	75.54	81.58	92.50	71.15	56.33
385.70	70.53	70.65	79.68	75.49	78.32	88.39	69.10	56.08
385.70	70.14	70.26	78.13	74.56	74.75	84.00	68.61	54.99
385.80	69.64	69.75	77.46	74.04	75.82	88.36	68.89	54.73
385.90	69.70	69.81	77.90	74.53	79.11	94.79	70.32	55.14
386.00	70.03	70.14	79.13	75.17	81.00	92.36	70.40	55.40
386.00	70.14	70.26	78.96	75.10	78.00	88.18	68.61	55.33
386.10	69.81	69.92	77.63	74.22	74.36	83.85	67.76	54.38
386.20	69.30	69.42	76.96	73.65	75.43	87.86	67.95	54.04
386.30	69.30	69.42	77.46	74.07	78.72	94.58	70.03	54.65
386.40	69.75	69.86	78.96	74.94	81.11	92.61	71.42	55.55
386.40	70.14	70.26	79.35	75.22	78.61	88.61	70.00	55.86
386.50	70.09	70.20	78.35	74.61	75.10	84.39	69.43	55.28
386.60	69.75	69.86	77.74	74.16	75.88	87.79	68.92	54.94
386.70	69.75	69.86	78.01	74.53	78.72	94.76	69.78	55.28
386.80	69.92	70.03	78.96	75.06	80.67	92.94	70.29	55.28
386.80	70.03	70.14	78.90	75.04	78.11	88.57	68.50	55.14
386.90	69.64	69.75	77.57	74.11	74.31	84.11	68.21	54.30
387.00	69.19	69.30	76.79	73.54	74.93	86.89	68.18	54.01
387.10	69.19	69.30	77.13	73.97	77.93	94.04	69.14	54.44
387.10	69.47	69.58	78.24	74.61	80.22	92.94	69.42	54.56
387.20	69.53	69.64	78.29	74.54	77.78	88.68	67.39	54.18
387.30	69.14	69.25	77.01	73.61	73.86	84.14	67.35	53.51
387.40	68.80	68.91	76.57	73.15	74.70	86.33	68.65	53.69
387.50	69.03	69.14	77.24	73.79	78.39	93.88	70.43	54.72
387.50	69.53	69.64	78.74	74.72	80.89	93.51	71.28	55.31
387.60	69.86	69.98	79.07	74.93	78.61	89.36	69.03	55.40
387.70	69.53	69.64	77.57	74.11	74.31	84.71	68.00	54.35
387.80	69.03	69.14	76.63	73.38	74.31	86.22	68.01	53.75
387.80	68.86	68.97	76.74	73.57	77.43	93.54	69.66	54.10
387.90	69.19	69.36	77.93	74.36	80.03	93.38	70.37	54.65
388.00	69.47	69.64	78.32	74.58	78.25	89.18	68.83	54.67
388.10	69.19	69.30	76.96	73.79	73.86	84.64	66.97	53.66

**THERM; RECORDED TEMPERATURES (°F)**

TIME (Days)	REF 1	REF 2	CENTER RING	DAMPER SHIELD	RADIO- METER	SPACE END	EARTH END	LONGERON ROW 6
388.20	68.52	68.63	75.85	72.81	73.58	85.72	66.81	52.71
388.20	68.30	68.41	76.00	73.01	76.60	93.17	68.24	52.92
388.50	68.97	69.08	77.18	73.62	74.14	84.85	67.79	54.05
388.60	69.64	69.75	78.07	74.65	79.78	95.25	70.96	55.35
388.60	70.03	70.14	79.18	75.22	80.50	91.33	70.14	55.40
388.90	69.47	69.64	77.99	74.46	79.81	95.29	71.08	55.03
389.00	69.98	70.09	79.39	75.18	81.06	91.63	71.47	55.78
389.10	70.20	70.37	79.15	75.12	77.52	87.48	69.22	55.77
389.20	69.92	70.03	77.96	74.32	74.75	83.79	68.92	55.10
389.30	69.70	69.81	77.74	74.17	76.65	89.72	69.29	55.05
389.30	69.86	70.03	78.43	74.85	79.81	95.50	70.53	55.78
389.40	70.20	70.31	79.39	75.39	80.89	91.85	70.22	55.65
389.50	70.20	70.31	78.96	75.15	77.32	87.54	68.15	55.39
389.60	69.81	69.92	77.68	74.22	74.47	83.58	68.54	54.56
389.70	69.47	69.58	77.29	73.94	76.21	88.97	68.99	54.47
389.70	69.64	69.75	77.90	74.54	79.39	95.08	70.18	55.17
389.80	70.03	70.14	79.24	75.22	81.00	92.03	69.97	55.40
389.90	70.14	70.26	78.96	75.04	77.61	87.82	68.18	55.16
390.00	69.81	69.92	77.74	74.22	74.54	83.76	68.72	54.56
390.00	69.53	69.70	77.49	73.97	76.40	88.63	70.01	55.00
390.10	69.81	69.98	78.32	74.72	79.86	95.11	71.33	55.81
390.20	70.31	70.48	79.82	75.54	81.58	92.50	71.15	56.33
390.30	70.53	70.65	79.68	75.49	78.32	88.39	69.10	56.08
390.40	70.14	70.26	78.13	74.56	74.75	84.00	68.61	54.99
390.40	69.64	69.75	77.46	74.04	75.82	88.36	68.89	54.73
390.50	69.70	69.81	77.90	74.53	79.11	94.79	70.32	55.14
390.60	70.03	70.14	79.13	75.17	81.00	92.36	70.40	55.40
390.70	70.14	70.26	78.96	75.10	78.00	88.18	68.61	55.33
390.70	69.81	69.92	77.63	74.22	74.36	83.85	67.76	54.38
390.80	69.30	69.42	76.96	73.65	75.43	87.86	67.95	54.04
390.90	69.30	69.42	77.46	74.07	78.72	94.58	70.03	54.65
391.00	69.75	69.86	78.96	74.94	81.11	92.61	71.42	55.55
391.10	70.14	70.26	79.35	75.22	78.61	88.61	70.00	55.86



# REPORT DOCUMENTATION PAGE

Form Approved  
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. AGENCY USE ONLY (Leave blank)			2. REPORT DATE January 1992		3. REPORT TYPE AND DATES COVERED Technical Memorandum	
4. TITLE AND SUBTITLE  Long-Duration Exposure Facility Post-Flight Thermal Analysis			5. FUNDING NUMBERS  WU 506-43-21-14			
6. AUTHOR(S)  William M. Berrios Thomas R. Sampair						
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)  NASA Langley Research Center Hampton, VA 23665-5225			8. PERFORMING ORGANIZATION REPORT NUMBER			
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)  National Aeronautics and Space Administration Washington, DC 20546-0001			10. SPONSORING/MONITORING AGENCY REPORT NUMBER  NASA TM-104208, Part 2			
11. SUPPLEMENTARY NOTES  Berrios: Langley Research Center, Hampton, VA Sampair: Lockheed Engineering & Sciences Company, Hampton, VA Created in support of the Long Duration Exposure Facility Project Office for the estimation of temperatures during the 5-3/4 years mission.						
12a. DISTRIBUTION/AVAILABILITY STATEMENT  Unclassified - Unlimited  Subject Category 18				12b. DISTRIBUTION CODE		
13. ABSTRACT (Maximum 200 words)  This document presents results of the post-flight thermal analysis for the Long Duration Exposure Facility (LDEF) 5-3/4 years mission. The LDEF mission thermal analysis was verified by comparing the thermal model results to flight data from the LDEF Thermal Measurements System (THERM). Post-flight calculated temperatures uncertainties have been reduced to under $\pm 18^{\circ}\text{F}$ from the pre-flight uncertainties of $\pm 40^{\circ}\text{F}$ . The THERM consisted of eight temperature sensors, a shared tape recorder, a standard LDEF flight battery, and an electronics control box. The temperatures were measured at selected locations on the LDEF structure interior during the first 390 days of flight and recorded for post-flight analysis. After the LDEF retrieval from Space on January 12, 1990, the tape recorder was recovered from the spacecraft and the data reduced for comparison to the LDEF predicted temperatures. The LDEF mission temperatures were calculated prior to the LDEF deployment on April 7, 1980, and updated after the LDEF retrieval with actual flight parameter data; including thermal fluxes, spacecraft attitudes, thermal coatings degradation, and contamination effects. All updated data used for the calculation of post-flight temperatures is also presented in this document.						
14. SUBJECT TERMS  Thermal analysis, Long Duration Exposure Facility, post-flight thermal model, LDEF retrieval, thermal coatings degradation, flight data.				15. NUMBER OF PAGES  455		
				16. PRICE CODE  A20		
17. SECURITY CLASSIFICATION OF REPORT  Unclassified		18. SECURITY CLASSIFICATION OF THIS PAGE  Unclassified		19. SECURITY CLASSIFICATION OF ABSTRACT  Unclassified		20. LIMITATION OF ABSTRACT



